

5E0901-A0403

N.F. - 104
- 1/83

CERCLA Preliminary Assessment Report



Illinois Environmental
Protection Agency
P.O. Box 19276,
Springfield, IL 62794-9276

EPA Region 5 Records Ctr.



360768
923235

CONFIDENTIAL MATERIAL MAY BE ENCLOSED

EXECUTIVE SUMMARY

The Magnus Company, Inc. was added to CERCLIS in May of 1988 due to their possible involvement in lead smelting or with lead alloys. The facility is located at 4041 South Emerald Avenue in Chicago, Illinois (Cook County). The property is owned by Mr. Eli Winkel of Chicago, Illinois, with the House-0-Lite currently renting the building.

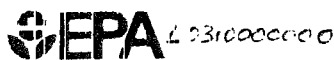
The facility was built in 1902 by American Can Company, with the operations at the site unknown until 1915. Magnus Company, Inc. started operations at the site in 1915 manufacturing journal bearings. The company changed their name in January 1916 to Magnus Metal Company and operated as a manufacturer of brass journals until 1936. The company filed for dissolution in 1936 with the State of Illinois Secretary of States office. The American Key Can Company moved into the facility sometime in the early 1940's as a manufacturer of iron steel and other metals for opening cans and other packages. The company stayed in the building until 1952 when records cease to indicate the property owner. In 1974, Mr. Eli Winkel bought the building from Mr. Russ Stonier of Chicago, Illinois who was going bankrupt at that time. Mr. Winkel began renting the facility to House-0-Lite in 1974, with House-0-Lite the current renter. The House-0-Lite company fabricates and processes fluorescent light fixtures.

A fire insurance map prepared by the Sanborn Map Company in 1923 indicated that Magnus Metal Co., at one time, had six (6) underground tanks. According to the map, the tanks contained fuel oil which was probably used to fire the smelting furnaces. (Four (4) tanks had 5000 gallon capacity, while the other two (2) tanks were 11,000 gallons each.) A fire insurance map from 1949 indicates a new owner, but the tanks are not identified on this drawing. A concrete pit is now located near the area of the four underground tanks. No records have been found to indicate that the tanks are still in the ground or that they have been removed.

A reconnaissance inspection was conducted at the old Magnus Company site on January 12, 1989 and March 3, 1989. The facility is located on the northeast corner of Emerald Avenue and 41st Street in Chicago, Illinois. The plant is bounded on the west by Emerald Avenue, on the south by 41st Street, on the north by railroad tracks and on the east by S & S Wholesale Florist shop. The area surrounding the site is mostly light industry.

The site geology consists of clays, sands, and gravels down to 115 feet underlain by Silurian limestone to 430 feet. Interbedded limestones and shales are prevalent from 430 feet to 1000 feet. The closest well is 2.5 miles north of the site and obtains water from the limestone aquifer for industrial purposes. All other wells, within the four mile radius of the site, obtain water from the limestone aquifer also for industrial use. No surface water is affected by this site, since the closest surface water of concern is the South Fork of the South Branch of the Chicago River, 3/4 mile northwest of the site. No drainage from the site is carried off into the surface water of concern.

Limited groundwater use in the area, no surface water use and the limited potential of a direct contact hazard are primary factors for recommending a no further action for this site.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D984766360

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Magnis Company Incorporated		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 4041 Emerald Ave.	
03 CITY Chicago	04 STATE IL	05 ZIP CODE 60607	06 COUNTY Cook
07 COUNTY CODE 031		08 CONG DIST IL-05	
09 COORDINATES LATITUDE 41 49 14.1		LONGITUDE 87 38 39.2	

10 DIRECTIONS TO SITE (Starting from nearest public road)
Take 90-94 Interstate to 43rd Street Exit. Head west on 43rd to Union Avenue. Go north on Union Ave to 41st Street. West on 41st to Emerald Ave. Site is at Northeast corner of 41st Street and Emerald Avenue.

III. RESPONSIBLE PARTIES

01 OWNER (if known) Chicago		02 STREET (Business, mailing, residential)	
03 CITY	04 STATE IL	05 ZIP CODE 60640	06 TELEPHONE NUMBER
07 OPERATOR (if known and different from owner)		08 STREET (Business, mailing, residential)	
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER

13 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR ☒ B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: 06/09/81 MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 DATE INSPECTION YES DATE 08/17/78 MONTH DAY YEAR NO 03/03/89		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)	
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION 1902 to Present BEGINNING YEAR ENDING YEAR <input type="checkbox"/> UNKNOWN	

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
UNKNOWN

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Contaminated (Environment)

06 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

07 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

08 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☒ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Mr. John Legno		02 OF (Agency/Organization) House-O-Lite		03 TELEPHONE NUMBER 13121376-4780	
04 PERSON RESPONSIBLE FOR ASSESSMENT Gregory W. Dunn		05 AGENCY IEPA	06 ORGANIZATION Re-Remedial Unit	07 TELEPHONE NUMBER 12171782-6760	08 DATE 04/07/89 MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

D1 STATE D2 SITE NUMBER
IL D 984766360

II. HAZARDOUS CONDITIONS AND INCIDENTS

C1 ☒ A. GROUNDWATER CONTAMINATION

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

C3 POPULATION POTENTIALLY AFFECTED: 0

04 NARRATIVE DESCRIPTION

Most groundwater is obtained from Limestone at depths to 400 feet. Most wells in the area are used for industrial purposes only. No groundwater is used for drinking within 4 miles of the Magnus Site.

C1 ☐ B. SURFACE WATER CONTAMINATION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

C3 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None documented or observed

C1 ☒ C. CONTAMINATION OF AIR

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

C3 POPULATION POTENTIALLY AFFECTED: 0

04 NARRATIVE DESCRIPTION

Contaminants could have been released to the air from the facility's boiler that was gas fired. The boiler is no longer in use at the plant.

C1 ☐ D. FIRE/EXPLOSIVE CONDITIONS

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

C3 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None documented or observed

C1 ☒ E. DIRECT CONTACT

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

C3 POPULATION POTENTIALLY AFFECTED: ~7,000

04 NARRATIVE DESCRIPTION

Population may have been exposed to materials on-site, but the facility is now fenced with no access available from any side.

C1 ☒ F. CONTAMINATION OF SOIL

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

C3 AREA POTENTIALLY AFFECTED: ~0.2

04 NARRATIVE DESCRIPTION

Underground tanks ^(acres) existed at the site at one time, with their contents possibly leaking to the soil.

C1 ☐ G. DRINKING WATER CONTAMINATION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

C3 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None documented or observed. All drinking water is obtained from Lake Michigan

C1 ☐ H. WORKER EXPOSURE/INJURY

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

C3 WORKERS POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None documented or observed.

C1 ☐ I. POPULATION EXPOSURE/INJURY

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

C3 POPULATION POTENTIALLY AFFECTED: _____

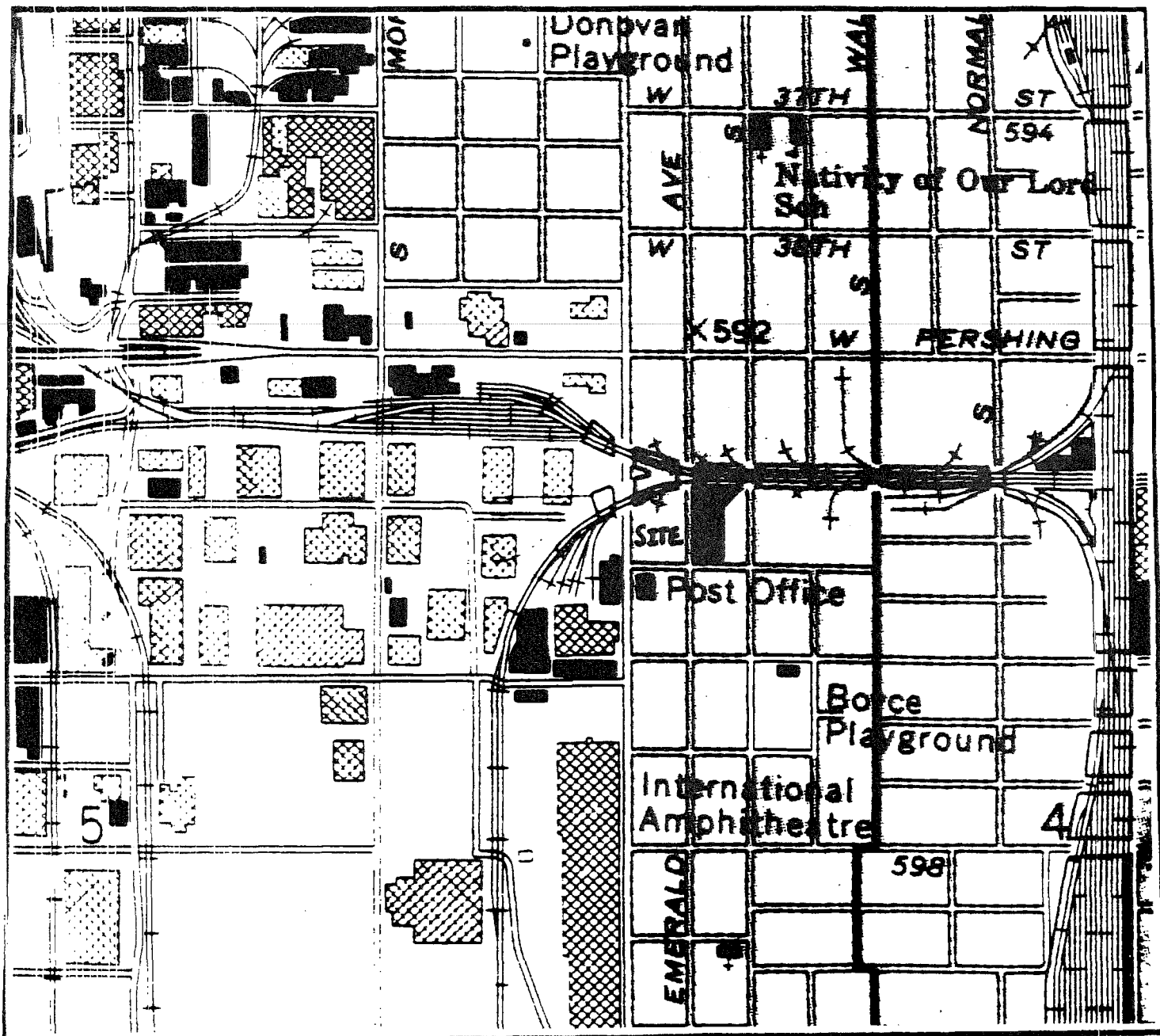
04 NARRATIVE DESCRIPTION

None documented or observed



Magnus Co., Inc.
Chicago, IL

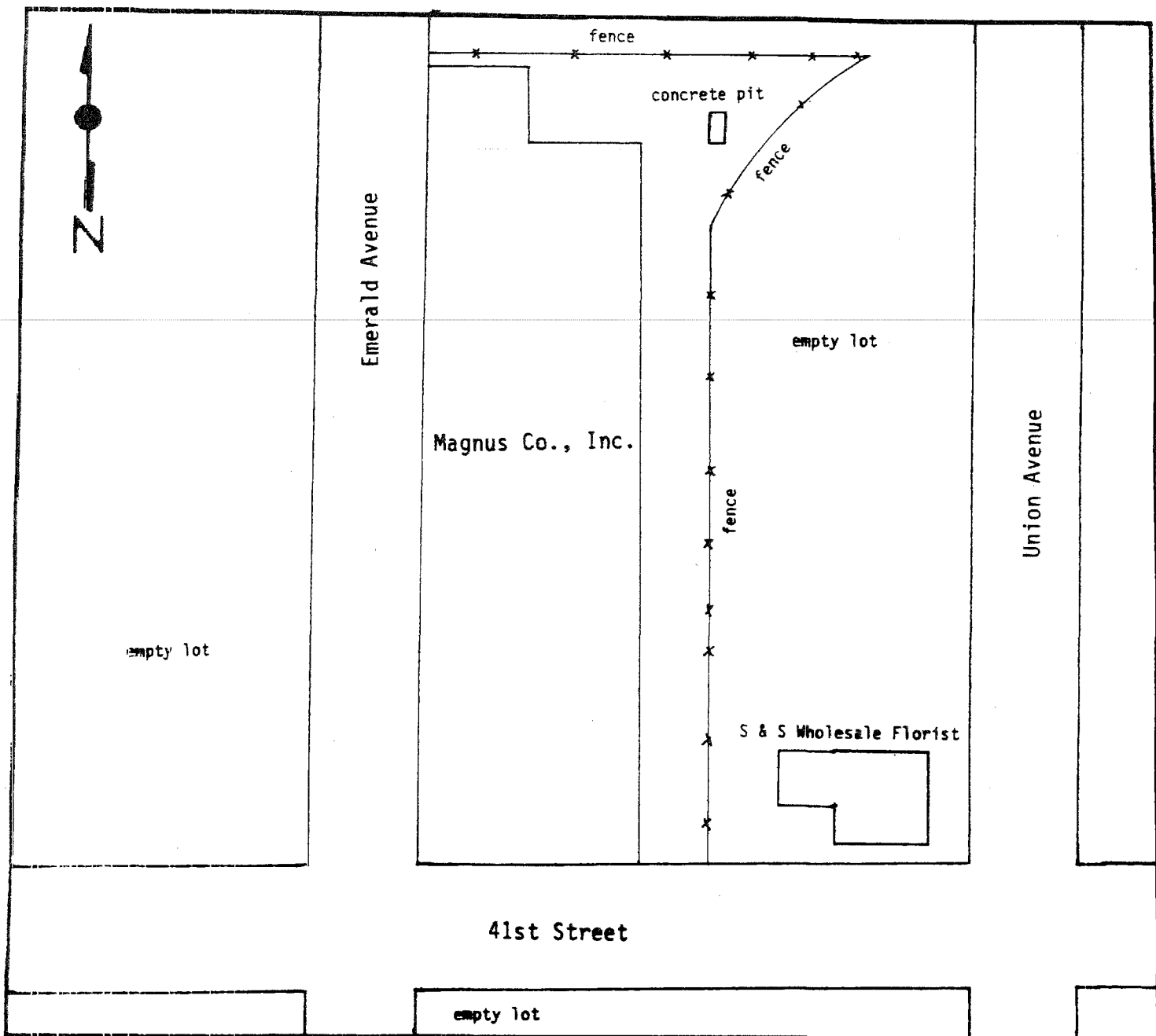
SITE LOCATION



Source: EPA, 1989. Base Map: USGS 1963 Englewood, IL 7.5 Minute Quadrangle.

Not to scale

SITE MAP



Source: EPA, 1989.

Not to scale

SITE FEATURES

1923 SANBORN FIRE INSURANCE MAP

AV.

EMERALD

S. UNION

BRICK & STEEL
CONSTRUCTION
SMELTING FURNACES

BRASS FOUNDRY

OFFICE

SHIPPING RM.

MAGNUS METAL CO.
BRASS FOUNDRY
ST.

W. 41ST

EA

1949 SANBORN FIRE INSURANCE MAP

AV.

S. EMERALD

W. 41ST

ST.

HART & HARRINGTON CO.
NEAR TANNING OILS

KEY CAN FACTY
AMERICAN KEY CAN CO.
FACTY NO 6TH
MATERIAL ADAPTING

BRICK WALLS CONG. FL.
THEY ARE ON STEEL PILLARS

STEEL TRAMWAY
STEEL TRAMWAY BRANCH
FLYED ON STEEL TRAMWAY

11 ST YDS. & T R R
ELEVATED ON DIRT FILL

BRICK WALL 12' HIGH

ONE PLATIN

FOR POWER PLANT
PLANT IN DIRT
REMOVING IN

STEEL FRAME

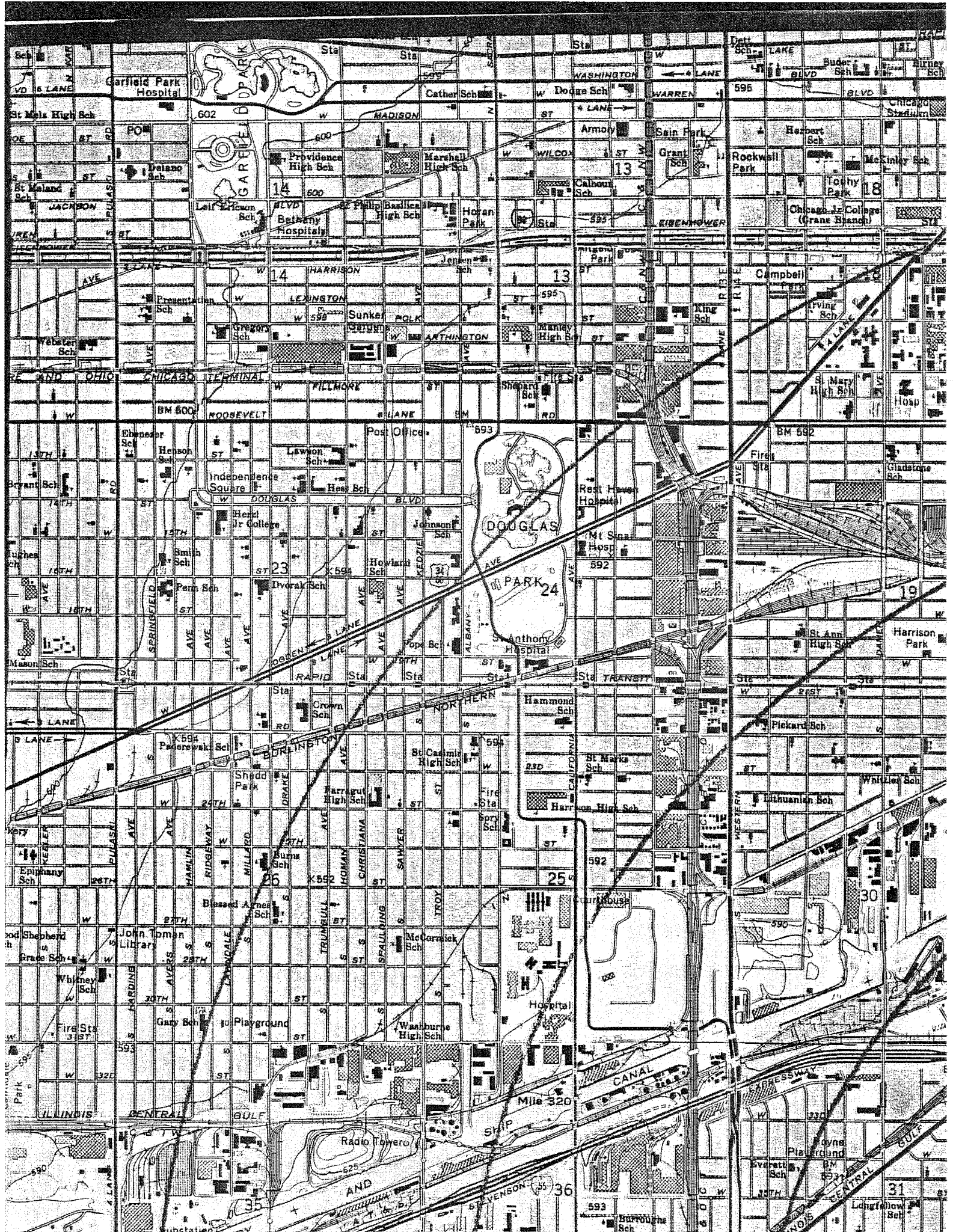
LOADING

3950
1949

4014
1949

4014
1949

700
D.H.



Date: January 12, 1989

Time: 2:30 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC-0310000000

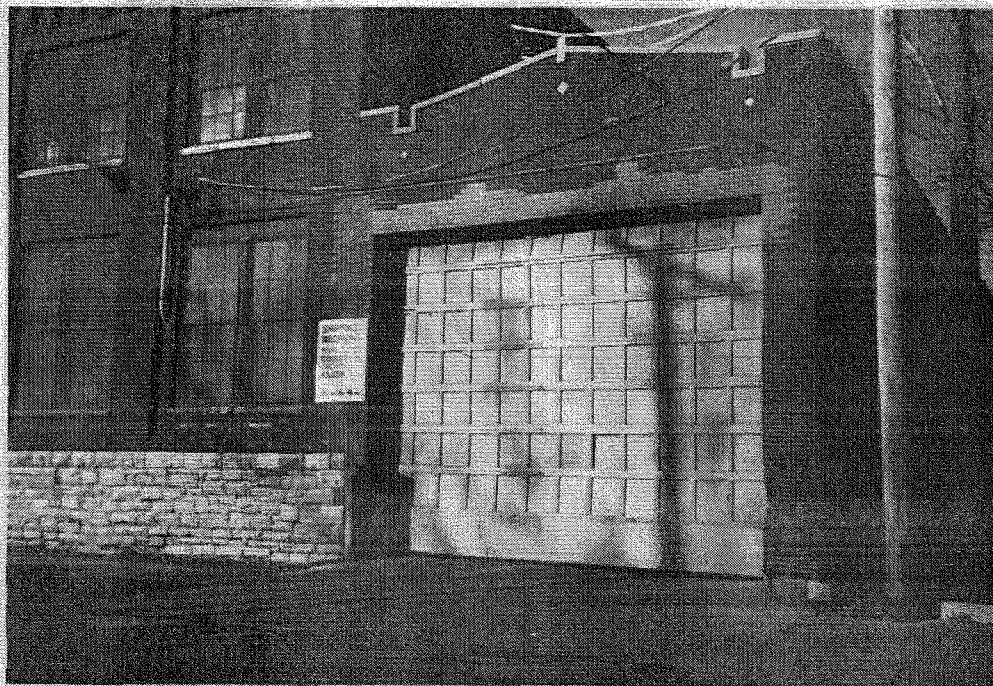
ILD 984766360 - Cook Co.

Magnus Co.

Comments: Photograph taken

toward the northwest at
the Shipping/Receiving area

1



Date: January 12, 1989

Time: 2:30 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC-0310000000

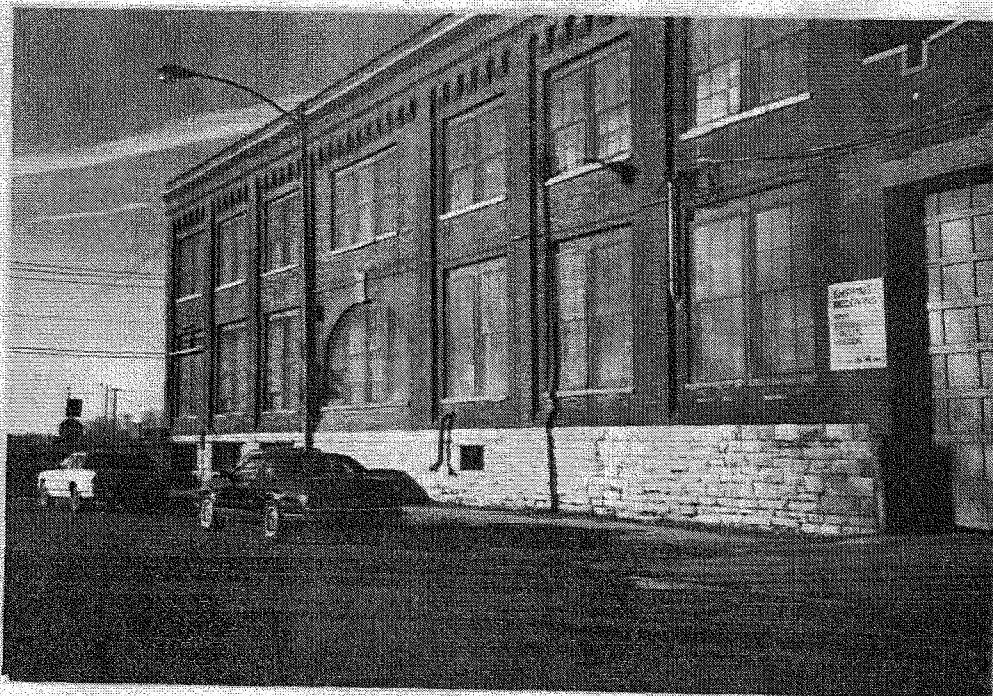
ILD 984766360 - Cook Co.

Magnus Co.

Comments: Photograph taken

toward the west northwest at
South side of building

2



Date: January 12, 1989

Time: 2:30 A.M. (P.M.)

Photograph By:

Greg Dunn

Location: LPC- 0310000000

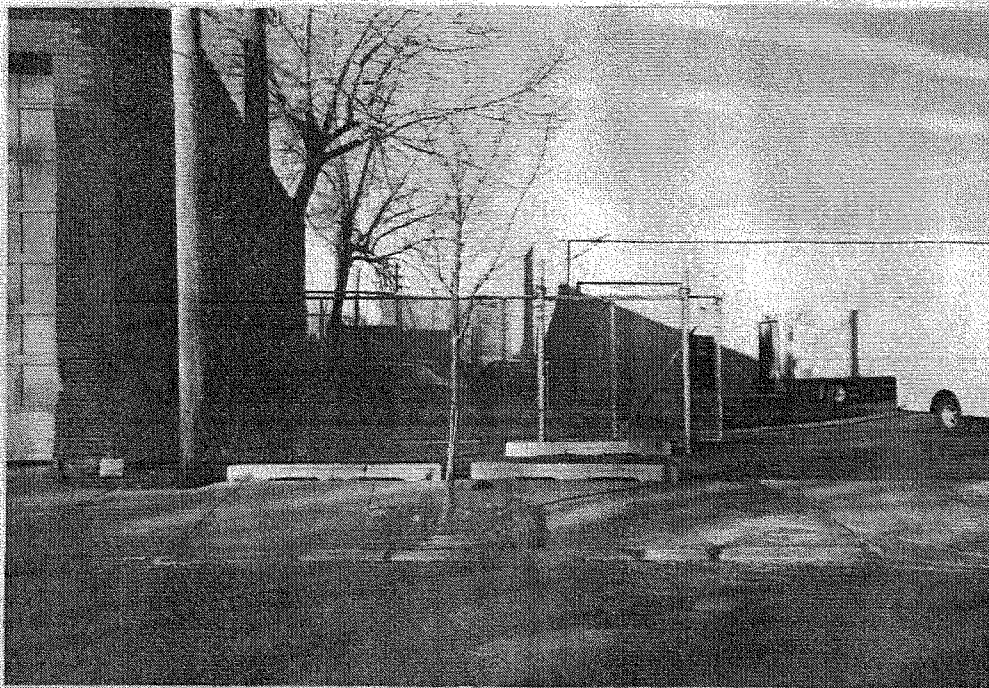
ILD 984766360 - Cook Co.

Magnus Co.

Comments: Photograph taken

toward the north at east
side of building

3



Date: January 12, 1989

Time: 2:40 A.M. (P.M.)

Photograph By:

Greg Dunn

Location: LPC- 0310000000

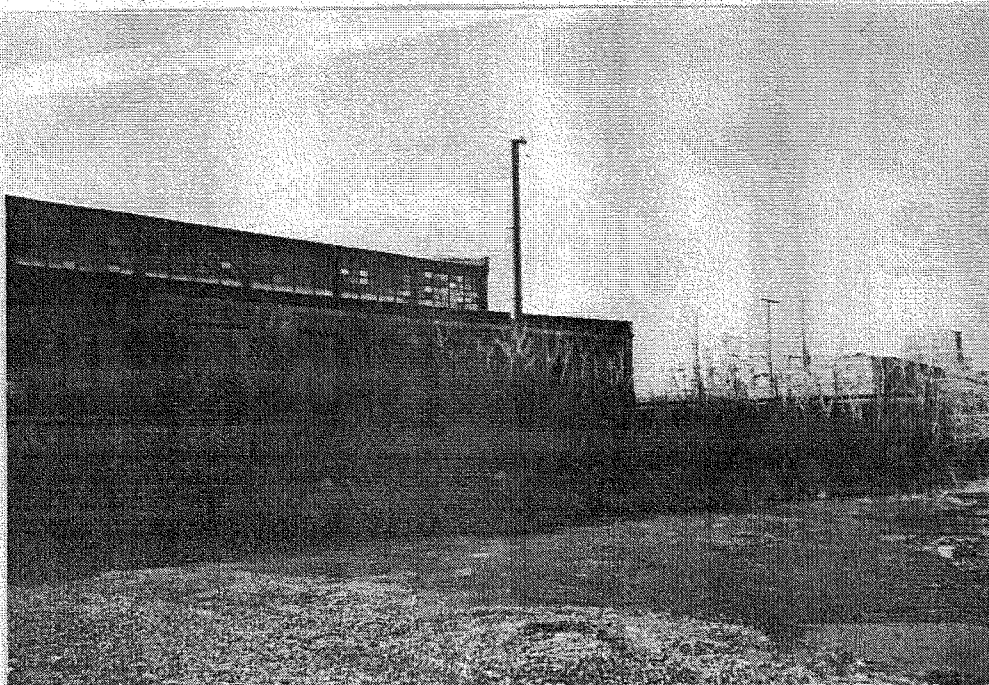
ILD 984766360 - Cook Co.

Magnus Co.

Comments: Photograph taken

toward the Northwest at
east side of building

4



Date: JANUARY 12, 1989

Time: 2:40 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD 984766360 - Cook Co.

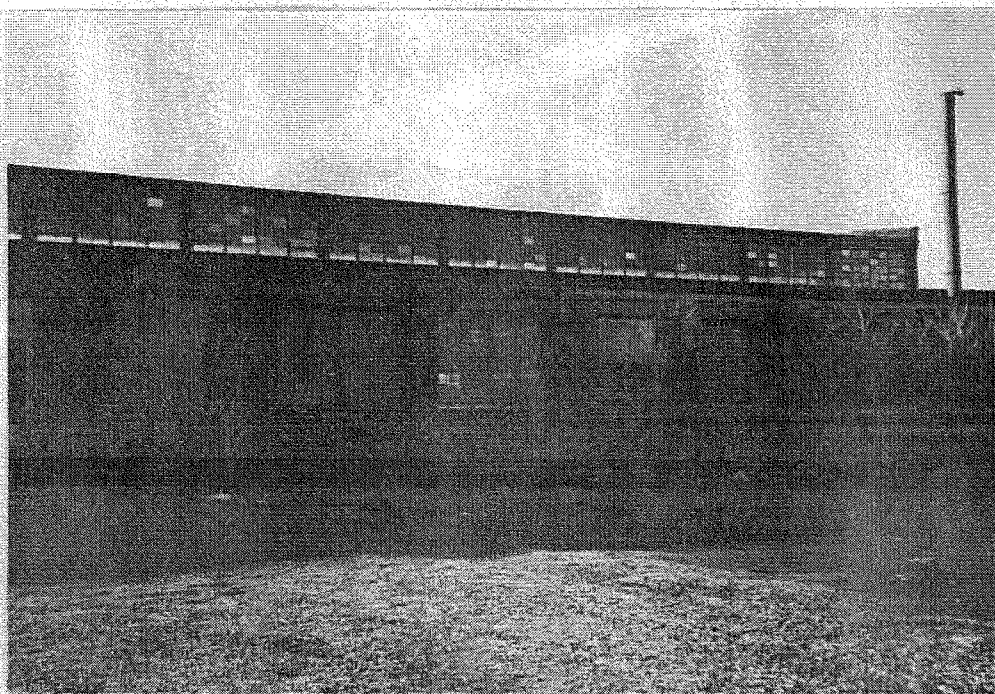
Magnus Co.

Comments: Photograph taken

toward the west northwest at

east side of building

5



Date: JANUARY 12, 1989

Time: 2:40 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD 984766360 - Cook Co.

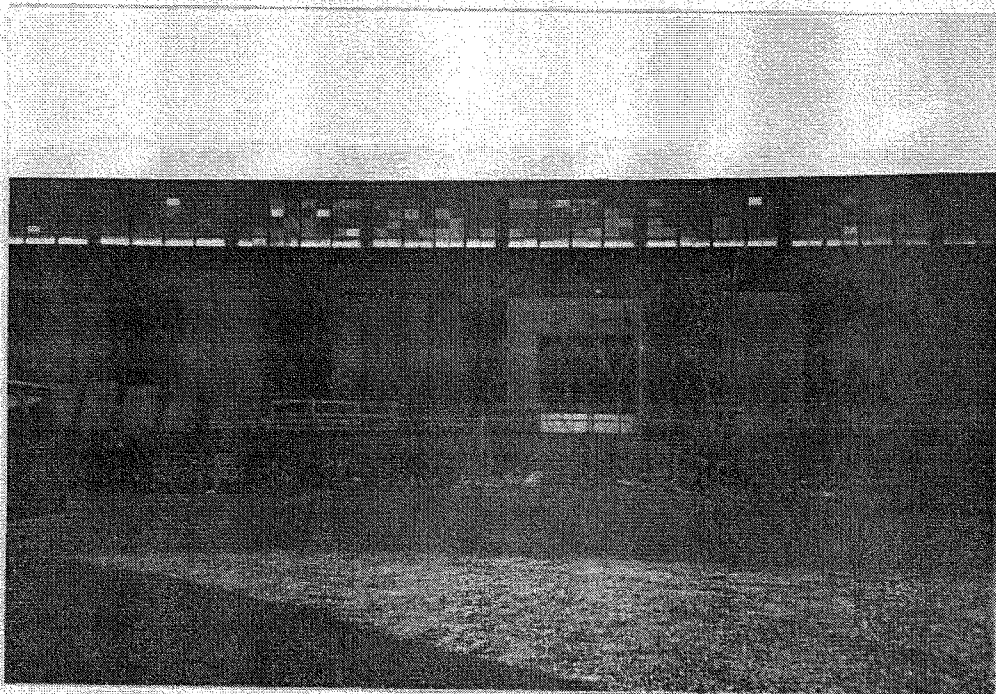
Magnus Co.

Comments: Photograph taken

toward the west at east

side of building

6



Date: January 12, 1989

Time: 2:50 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

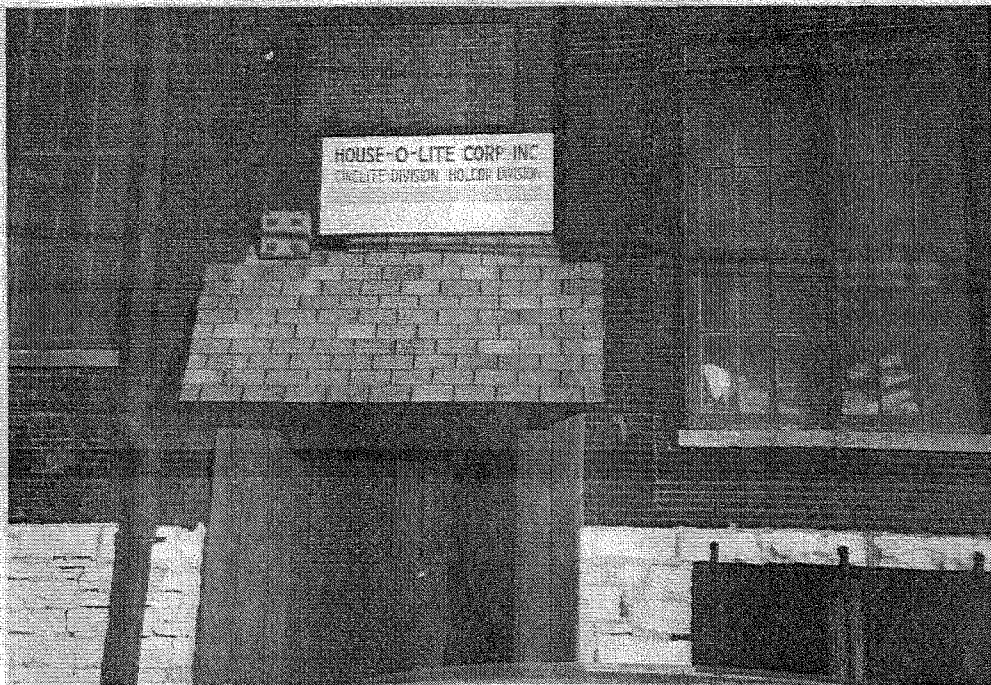
ILD 984766360 - Cook Co.

Magnus Co.

Comments: Photograph taken

toward the east at the
front door of the building

7



Date: January 12, 1989

Time: 3:00 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

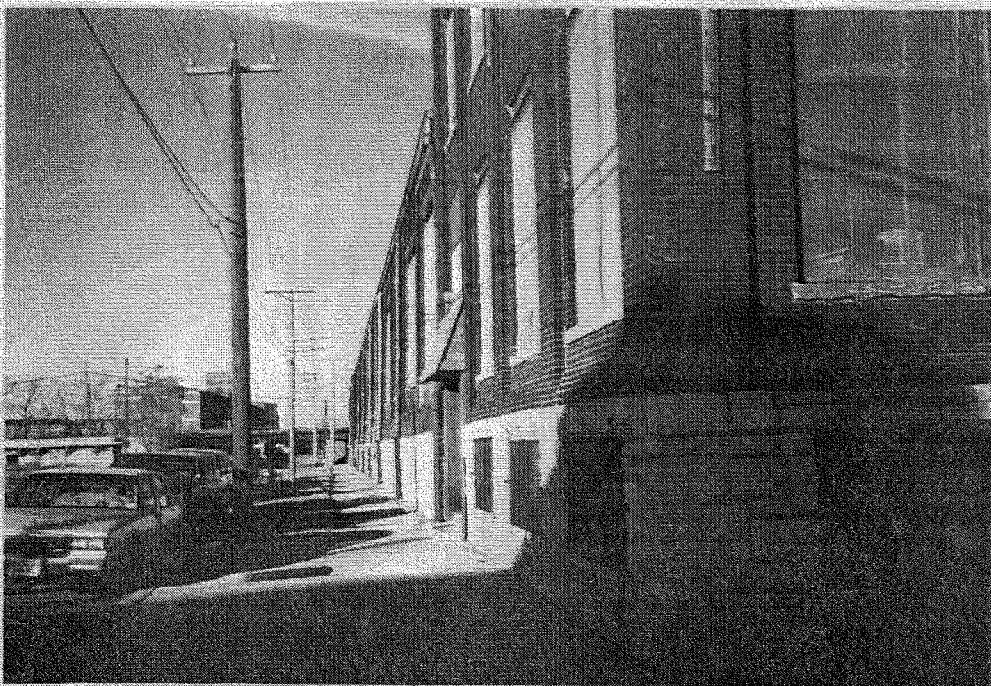
ILD 984766360 - Cook Co.

Magnus Co.

Comments: Photograph taken

toward the north looking down
west side of building

8



Date: March 3, 1989

Time: 9:45 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD984766360 -- Cook Co.

Magnus Co.

Comments: Photograph taken

toward the west behind
the facility

(1)



Date: March 3, 1989

Time: 9:45 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD984766360 -- Cook Co.

Magnus Co.

Comments: Photograph taken

toward the west southwest
toward the east side of
facility

(10)



Date: March 3, 1989

Time: 9:45 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD 984766360 - Cook Co.

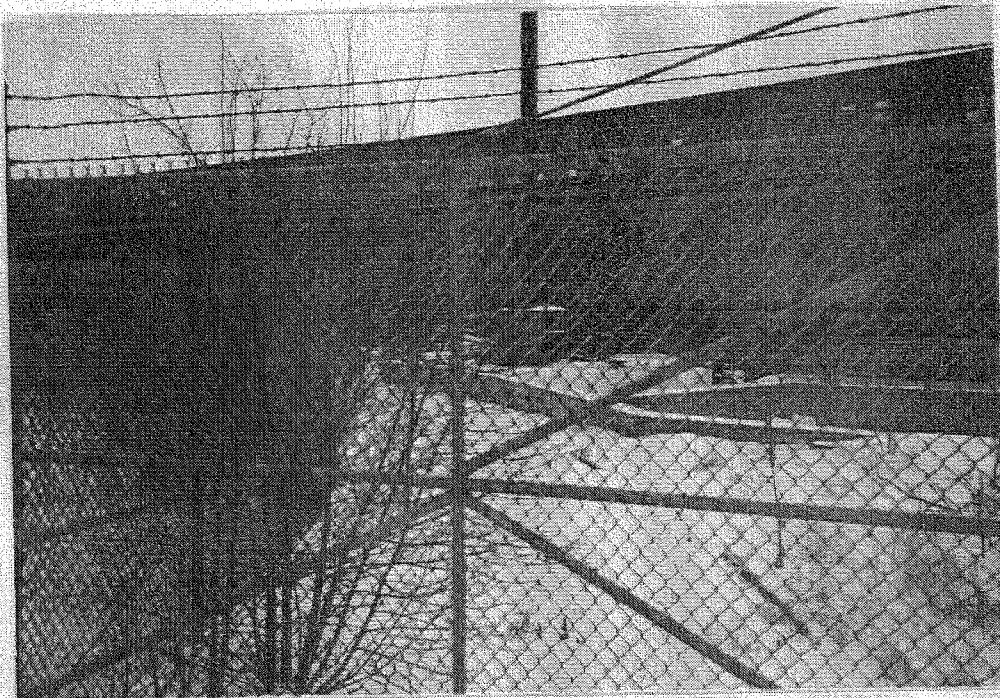
Magnus Co.

Comments: Photograph taken

toward the southwest from

east side of facility.

(11)



Date: March 3, 1989

Time: 9:45 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD 984766360 - - Cook Co.

Magnus Co.

Comments: Photograph taken

toward the south southwest

(12)



Date: March 3, 1989

Time: 9:50 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD 984766360-- Cook Co.

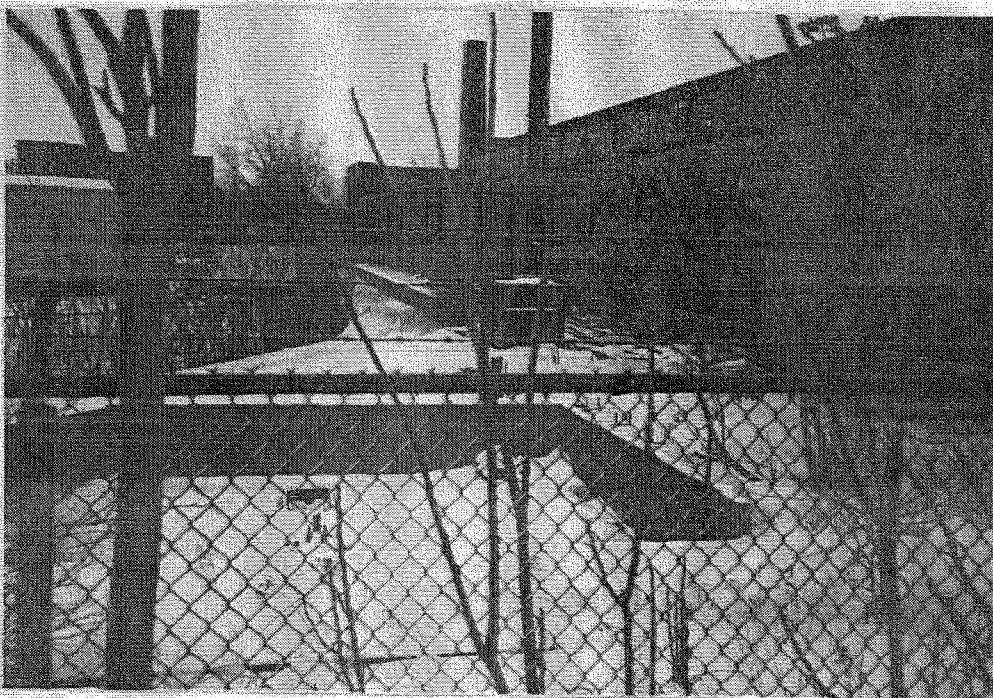
Magnus Co.

Comments: Photograph taken

toward the south from north

end of facility

13



Date: March 3, 1989

Time: 9:50 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD 984766360-- Cook Co.

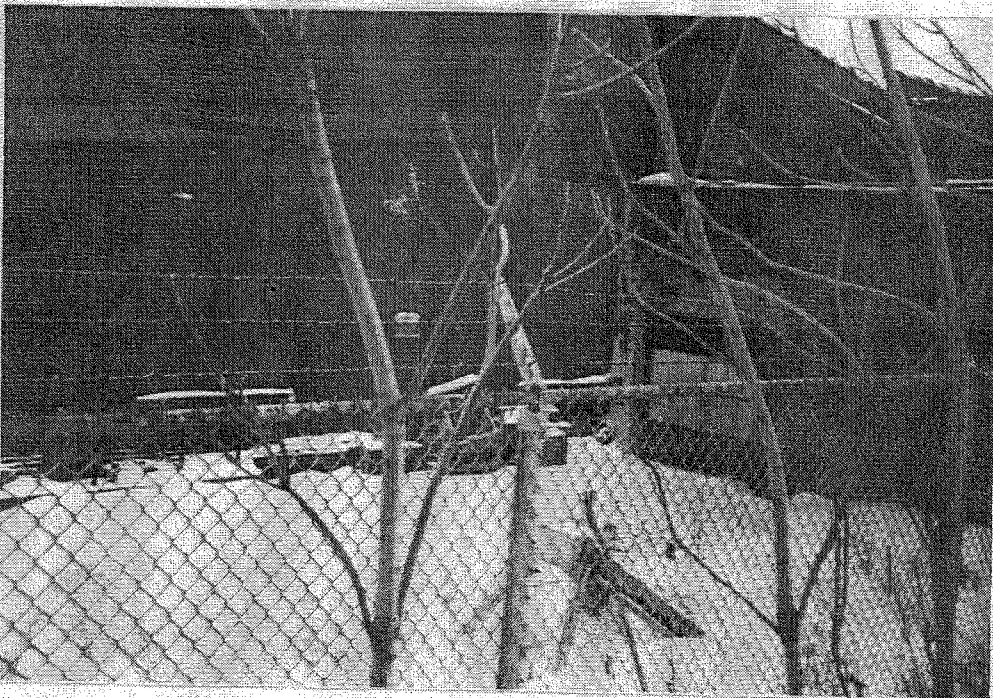
Magnus Co.

Comments: Photograph taken

toward the southwest at

northside of facility

14



Date: March 3, 1989

Time: 9:50 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD 984766360 - Cook Co.

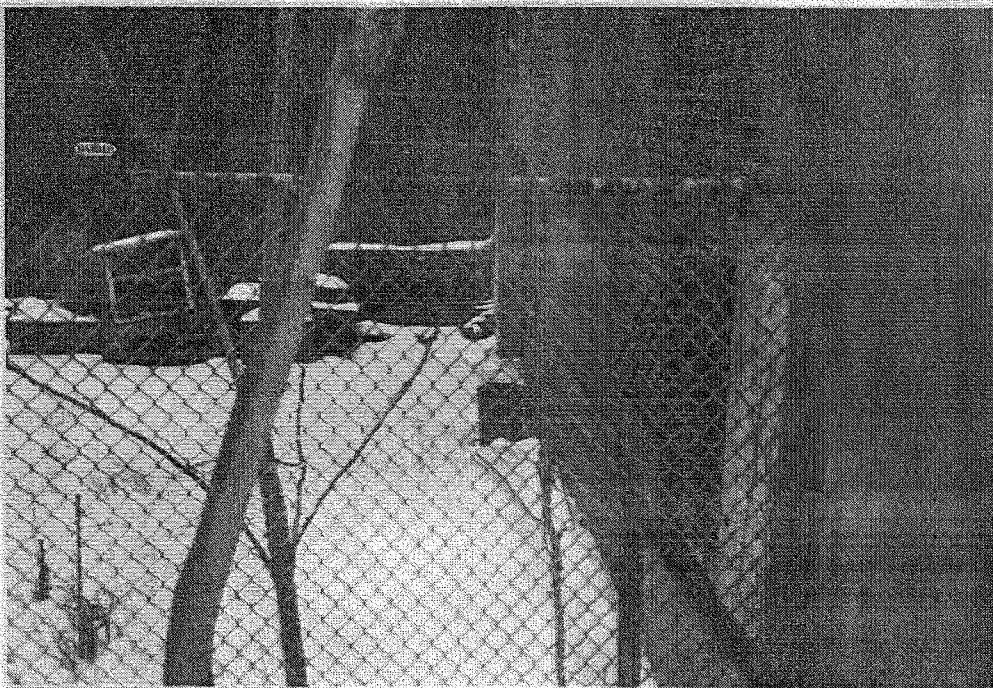
Magnus Co.

Comments: Photograph taken

toward the south at north

side of facility

15



Date: March 3, 1989

Time: 9:50 (A.M.) P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

ILD 984766360 - Cook Co.

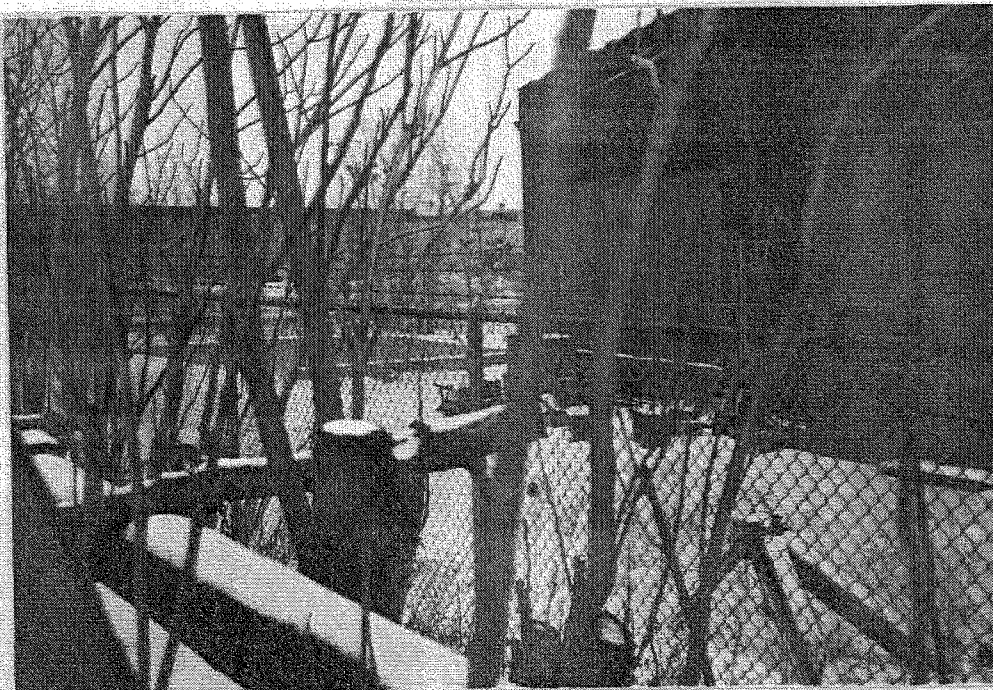
Magnus Co.

Comments: Photograph taken

toward the southeast from

north side of building

16



Date: MARCH 3, 1989

Time: 9.55 A.M. P.M.

Photograph By:

Greg Dunn

Location: LPC- 0310000000

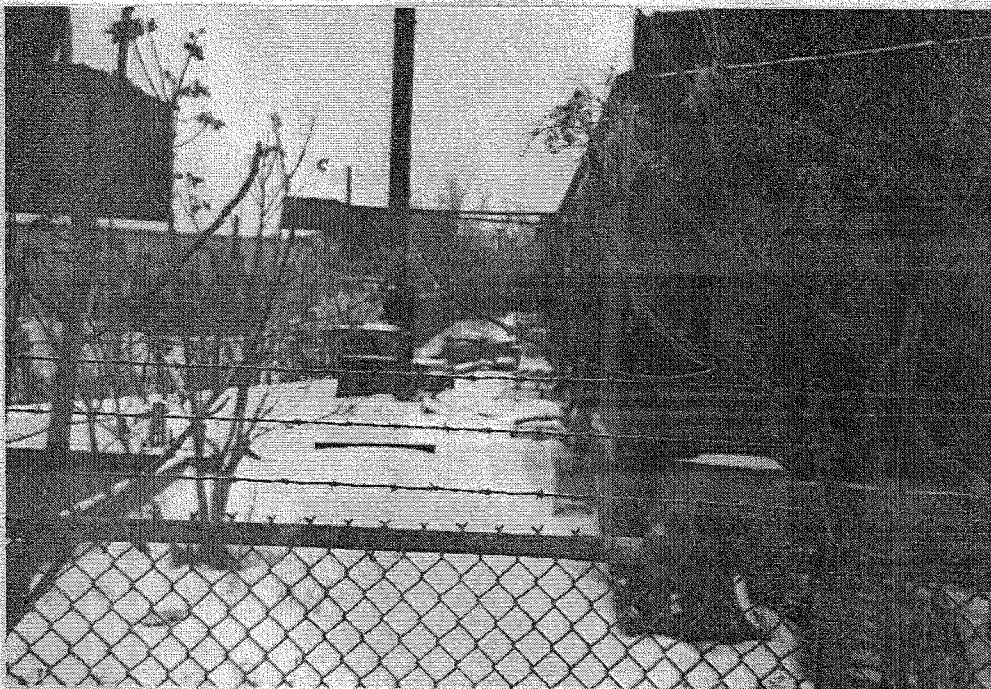
ILD 984766360 - Cook Co.

MAGNUS Co

Comments: Photograph taken

toward the south

17



Date: _____

Time: _____ A.M. P.M.

Photograph By: _____

Location: LPC-

Co.

1

Comments: Photograph taken

toward the

No Picture

Supporting Documentation

REFERENCES

Number

- 1 Filing by Magnus Company in 1915 to become a corporation.
- 2 Documents changing Magnus Company (Inc.) to Magnus Metal Company.
- 3 Filing by Magnus Metal Company in 1936 to dissolve.
- 4 Telephone conversation between Greg Dunn (IEPA) and John Legno (plant manager of House-O-Lite) on January 27, 1989.
- 5 Telephone conversation between Greg Dunn (IEPA) and H.C. Rodman (N.L. Industries) on January 27, 1989.
- 6 Telephone conversation between Greg Dunn (IEPA) and Eli Winkel (property owner) on March 6, 1989.
- 7 Illinois EPA Air Division permit for House-O-Lite Corporation to operate a cleaver-brooks boiler.
- 8 Illinois EPA Air Division memo to Miles Zamco from N.F. Vonesh dated August 17, 1978.
- 9 103 (c) Notification of Hazardous Waste Site filed by N.L. Industries for the Magnus Co., Inc. site dated June 9, 1981.
- 10 Well logs from area surrounding the site.

State of Illinois,

ss.

COOK

County.

Lewis G. Stevenson,
To ~~Harry Woods~~, Secretary of State:

\$2500 or less	\$30.00
\$2500 to \$5000	50.00
Each additional thousand	1.00

We, the Undersigned, WILL H. CLARK, PAUL R. WINEGARDNER AND
WILLIAM F. KENNEDY

PAID

JAN 15 1915

\$ 50 ⁰⁰/₁₀₀

propose to form a Corporation under an act of the General Assembly of the State of Illinois, entitled "An Act Concerning Corporations," approved April 18, 1872, and all acts amendatory thereof; and for the purpose of such organization we hereby state as follows, to wit:

1. The name of such Corporation is MAGNUS COMPANY (INCORPORATED)

2. The object for which it is formed is The manufacture and sale of metals and metal products.

3. The Capital Stock shall be Five Thousand Dollars (\$5,000)

4. The amount of each share is One Hundred Dollars (\$100)

5. The number of shares Fifty

6. The location of the principal office is in the City of Chicago in the County of Cook State of Illinois.

7. The duration of the Corporation shall be Ninety-Nine years.

Will H. Clark
Paul R. Winegardner
William F. Kennedy

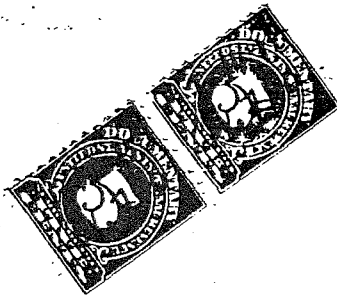
STATE OF ILLINOIS, }
COUNTY OF COOK } ss.

I, WALTER FLOYDD OLDS a Notary Public in and for
the County and State aforesaid, do hereby certify that on the 14 day
of January A. D. 1915 personally appeared before me
WILL H. CLARK, PAUL R. WINEGARDNER and WILLIAM F. KENNEDY, who
are

to me personally known to be the same persons who executed the foregoing statement, and severally
acknowledged that they executed the same for the purposes therein
set forth.

In Witness Whereof, I have hereunto set my hand and seal,
the day and year above written.

Walter Floyd Olds
Notary Public



COMPANY
INCORPORATED

incorporation.

ED

1915

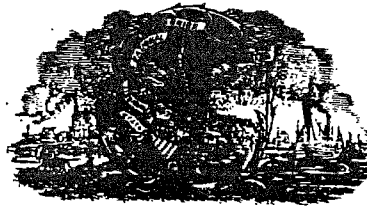
Thomas
Sec'y of State.

Att'y.
Clug.
1880.

per Legal Notice Company.

STATE OF ILLINOIS

Department



of State

LEWIS G. STEVENSON

~~HARRY WOODS~~, Secretary of State

To All To Whom These Presents Shall Come—Greeting:

Whereas, It being proposed by the persons hereinafter named to form a Corporation under an Act of the General Assembly of the State of Illinois, entitled, "An Act Concerning Corporations," approved April 18, 1872, in force July 1, 1872, and the amendments thereto, the object and purposes of which corporation are set forth in a statement duly signed and acknowledged according to law, and this day filed in the office of the Secretary of State;

LEWIS G. STEVENSON

Now, Therefore, I, ~~HARRY WOODS~~, Secretary of State of the State of Illinois, by virtue of the power vested in and the duties imposed upon me by law, do hereby authorize, empower and license

WILL H. CLARK, PAUL R. WINEGARDNER and WILLIAM F. KENNEDY

the persons whose names are signed to the before-mentioned statement, as Commissioners to open books for subscription to the Capital Stock of MAGNUS COMPANY (INCORPORATED)

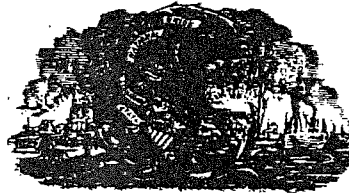
such being the name of the proposed corporation, as contained in the statement, at such times and places as the said Commissioners may determine.

In Testimony Whereof, I hereto set my hand and cause to be affixed the Great Seal of State.

Done at the City of Springfield, this Fifteenth
day of January A. D. 19 15, and of the
Independence of the United States the one hundred and 39th.

STATE OF ILLINOIS

Department



of State

LEWIS G. STEVENSON

~~HARRY WOODS~~, Secretary of State

To All To Whom These Presents Shall Come—Greeting:

Whereas, It being proposed by the persons hereinafter named to form a Corporation under an Act of the General Assembly of the State of Illinois, entitled, "An Act Concerning Corporations," approved April 18, 1872, in force July 1, 1872, and the amendments thereto, the object and purposes of which corporation are set forth in a statement duly signed and acknowledged according to law, and this day filed in the office of the Secretary of State;

LEWIS G. STEVENSON

Now, Therefore, I, ~~HARRY WOODS~~, Secretary of State of the State of Illinois, by virtue of the power vested in and the duties imposed upon me by law, do hereby authorize, empower and license

WILL H. CLARK. PAUL R. WINEGARDNER and WILLIAM F. KENNEDY

the persons whose names are signed to the before-mentioned statement, as Commissioners to open books for subscription to the Capital Stock of MAGNUS COMPANY (INCORPORATED)

such being the name of the proposed corporation, as contained in the statement, at such times and places as the said Commissioners may determine.

In Testimony Whereof, I hereto set my hand and cause to be affixed the Great Seal of State.

Done at the City of Springfield, this Fifteenth
day of January A. D. 19 15, and of the
Independence of the United States the one hundred and 39th.

(002)

(SEAL)

LEWIS G. STEVENSON

Secretary of State.

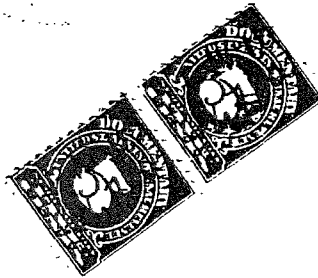
STATE OF ILLINOIS, } ss.
COUNTY OF COOK

I, WALTER FLOYDD OLDS a Notary Public in and for
the County and State aforesaid, do hereby certify that on the 14 day
of January A. D. 1915 personally appeared before me
WILL H. CLARK, PAUL R. WINEGARDNER and WILLIAM F. KENNEDY, who
are

to me personally known to be the same persons who executed the foregoing statement, and severally
acknowledged that they executed the same for the purposes therein
set forth.

In Witness Whereof, I have hereunto set my hand and seal,
the day and year above written.

Walter Floyd Olds
Notary Public.



NUS COMPANY
CORPORATED)

of Incorporation.

FILED

JAN 15 1915

via E. Thornton
Sec'y of State.

CURLEY, Att'y.,
ette Bldg.
Chicago.

To ~~HARRY WOODLEY~~ LEWIS G. STEVENSON,

Secretary of State of the State of Illinois:

The Commissioners, duly authorized to open Books of Subscription to the Capital Stock of
..... **MAGNUS COMPANY (INCORPORATED)**

pursuant to license heretofore issued, bearing date the 15th day of January
A. D. 1915.....; do hereby report that they opened books of Subscription to the Capital Stock of
said Company, and that the said Stock was fully subscribed; that the following is a true copy of
such subscription, viz:

We, the undersigned, hereby severally subscribe for the number of shares set opposite our
respective names, to the Capital Stock of.....

..... **MAGNUS COMPANY (INCORPORATED)**
and we severally agree to pay the said Company, for each share, the sum of 100 Dollars.

NAME	SHARES	AMOUNT
LESLIE S. GORDON	48	\$4800.
CONKLING VAN GOTT	1	\$ 100
CHARLES H. SCHOFF	1	\$ 100

am

That on the twenty-sixth day of January A. D. 1915, at the ~~the~~
Room 303 Railway Exchange, Building, Chicago - - - Illinois, at the hour of
Three o'clock P. M., they convened a meeting of the subscribers aforesaid, pur-
suant to notice required by law, which said notice was deposited in the postoffice, properly
addressed to each subscriber, ten days before the time fixed therein, a copy of which said notice
is as follows, to-wit:

To _____

You are hereby notified that the Capital Stock of _____
MAGNUS COMPANY (INCORPORATED)
has been fully subscribed, and that a meeting of the subscribers of such stock will be held at
Room 303 Railway Exchange Building, Chicago, Illinois, - - -
on the twenty-sixth day of January A. D. 1915, at Three
o'clock P. M., for the purpose of electing a Board of Directors for said Company and for
the transaction of such other business as may be deemed necessary.

Signed,

WILL H. CLARK

PAUL R. WINEGARDNER

WILLIAM F. KENNEDY

Commissioners.

That said subscribers met at the time and place in said notice specified, and proceeded to
elect Directors, and that the following persons were duly elected for the term of 1 year, viz:

LESLIE S. GORDON

Chicago, Illinois.

CONKLING VAN COTT

Chicago, Illinois.

CHARLES H. SCHOFF

Chicago, Illinois.

And that the postoffice address of the business office of said Company is at Number 80

E. Jackson Boulevard ~~Street~~ in the City of Chicago in the
County of Cook and State of Illinois.

Will H. Clark

Paul R. Winegardner

William F. Kennedy

Commissioners.

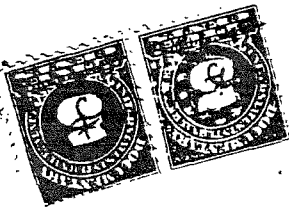
STATE OF ILLINOIS,
County of COOK } ss.

On this 26 day of January A. D. 1915, personally appeared before me, a Notary Public in and for said County, in said State

WILL H. CLARK, PAUL R. WINEGARDNER and WILLIAM F. KENNEDY

that the foregoing report by them subscribed is true in substance and in fact.

Walter Floyd C. Alder Notary Public.



FILED

JAN 27 1915

Lewis F. Thompson
Secy of State

STATE OF ILLINOIS

Department



of State

LEWIS C. STEVENSON

HARRY WOODS, Secretary of State

To All to Whom these Presents Shall Come—GREETING:

WHEREAS, a STATEMENT, duly signed and acknowledged, has been filed in the office of the Secretary of State, on the 15th day of January, A. D. 1915, for the organization of the

Magnus Company (Incorporated)

under and in accordance with the provisions of "AN ACT CONCERNING CORPORATIONS," approved April 18, 1872, and in force July 1, 1872, and all acts amendatory thereof, a copy of which statement is hereunto attached;

AND WHEREAS, a LICENSE having been issued to

Wm H Clark
Paul R Winegardner and
William J Kennedy

as Commissioners to open books for subscription to the Capital Stock of said Company;

AND WHEREAS, the said Commissioners have, on the 24th day of January, A. D. 1915, filed in the office of the Secretary of State a report of their proceedings under the said License, a copy of which report is hereunto attached;

LEWIS C. STEVENSON

Now, Therefore, I, HARRY WOODS, Secretary of State of the State of Illinois, by virtue of the powers vested in me by law, do hereby certify that the said

Magnus Company (Incorporated)

is a legally organized Corporation under the laws of this State.

In Testimony Whereof, I hereto set my hand and cause to be affixed the Great Seal of State.

Done at the City of Springfield, this 24th day of January, A. D. 1915, and of the Independence of the United States the one hundred and 39th

Seal

LEWIS C. STEVENSON

Secretary of State.

REFERENCE NUMBER 12

PAID

JAN 28 1916

\$

CHICAGO, ILLINOIS, JANUARY 27, 1916.

IT IS HEREBY CERTIFIED that at a special meeting of the stockholders of Magnus Company (Incorporated), an Illinois corporation, duly held at the principal office of said company at 4041 Emerald Avenue, Chicago, Illinois, at 4:15 o'clock P. M., Thursday, January 27, 1916, the following question was submitted to the stockholders for their action:

RESOLVED that the name of this Company be and it hereby is changed from Magnus Company (Incorporated) to Magnus Metal Company.

which resolution was adopted by the stockholders, all of the stock of the Company being represented at such meeting and there being voted in favor of the aforesaid resolution.

IN WITNESS WHEREOF, the said Magnus Company (Incorporated) has caused this certificate to be signed in its corporate name by its President and its corporate seal to be affixed hereto attested by its Secretary, the day and year first above written.

MAGNUS COMPANY (INCORPORATED)

BY

Conkling Van Cott

President

Attest:

Chas H Schoff

Secretary

STATE OF ILLINOIS)
COUNTY OF COOK) SS

CONKLING VANCOTT, being duly sworn, on oath states that he is President of Magnus Company (Incorporated); that he has read the foregoing certificate, has subscribed the same, knows the contents thereof and that the facts therein stated are true.

Conkling Van Catt

SUBSCRIBED and sworn to before
me this 27th day of January,
A. D. 1916.

Walter F. Smith
NOTARY PUBLIC

Certificate Number 2652

In all to whom these Presents Shall Come, Greeting:

Whereas, Articles of dissolution duly signed and verified of
MAGNUS META COMPANY

have been filed in the Office of the Secretary of State, on the 10th
day of November A. D. 19 36, as provided by "THE BUSINESS
CORPORATION ACT" of Illinois, in force July 13, A. D. 1933.

Now Therefore, I, EDWARD J. HUGHES, Secretary of State of the State of Illinois,
by virtue of the powers vested in me by law, do hereby issue this certificate of
dissolution and attach thereto a copy of the Articles of dissolution of
the aforesaid corporation.

In Testimony Whereof, I thereto set my hand and cause to
be affixed the Great Seal of the State of Illinois,
Done at the City of Springfield this 10th
day of November A. D. 19 36 and
of the Independence of the United States
the one hundred and 61st.

Edward J. Hughes
SECRETARY OF STATE.

Date Paid

Filing Fee \$

Clerk

11/10/36

100

WEL

Form F.

(These articles to be filed in triplicate.)

ARTICLES OF DISSOLUTION PURSUANT TO SECTION 80 OF
"THE BUSINESS CORPORATION ACT"

OF

MAGNUS METAL COMPANY

To EDWARD J. HUGHES,

Secretary of State,

Springfield, Illinois.

PAGE

LINE

1204 NOV 10 '36 10

The undersigned corporation, for the purpose of dissolving, and pursuant to the provisions of "The Business Corporation Act" of the State of Illinois relating to the dissolution of said corporation, hereby executes the following articles of dissolution:

Article 1. Name of corporation is Magnus Metal Company

Article 2. On the 4th day of November, A. D. 19 36, the corporation filed

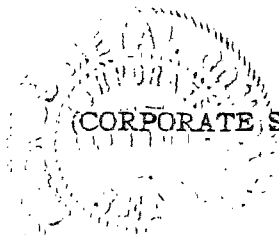
with the Secretary of State, and on the 9th day of November, A. D. 19 36, with the Recorder of Deeds of the County in which the registered office of the corporation is situated, a statement of intent to dissolve.

*Article 3. All debts, obligations and liabilities of the corporation have been paid and discharged, or that adequate provision has been made therefor.

*Article 4. All the remaining property and assets of the corporation have been distributed among its shareholders, in accordance with their respective rights and interests.

*Article 5. There are no suits pending against the corporation in any court.

IN WITNESS WHEREOF, the undersigned corporation has caused these articles to be executed in its name by its _____ President and its corporate seal to be hereto affixed, attested by its _____ Secretary this 9th day of November, A. D. 1936.



(CORPORATE SEAL)

MAGNUS METAL COMPANY

By _____

Its President C. H. Griffiths

Attest:

J. J. Backlin

Its Secretary (or Assistant Secretary)

STATE OF ILLINOIS,
COUNTY OF COOK, } ss.

I, B. E. LYON, a Notary Public, do hereby certify that on the 9th day of November, A. D. 1936, C. H. GRIFFITHS,
President,
(PRESIDENT OR VICE-PRESIDENT) personally

appeared before me and being first duly sworn by me acknowledged that he signed the foregoing document in the capacity therein set forth and declared that the statements therein contained are true.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the day and year before written.

B. E. Lyon

Notary Public

Form F.

Box 1317 File 83054

ARTICLES OF DISSOLUTION

Pursuant to Section 80 of "The Business Corporation Act"

OF

MAGNUS METAL COMPANY.

*NOTE: Nothing should be inserted in Articles 3, 4 and 5 of the Articles of Dissolution as these are statements of fact required under the Statute.

FILED

NOV 10 1936

Edward J. Hughes
Sec'y. of State

Filing Fee \$1.00.

Date Paid 11-4-36
 Filing Fee \$ 1.⁰⁰
 Clerk A. C. M.

(To be filed in duplicate.)

STATEMENT OF INTENT TO DISSOLVE BY VOLUNTARY ACTION OF THE CORPORATION
 PURSUANT TO SECTION 76 OF "THE BUSINESS CORPORATION ACT"

PAGE

LINE

OF

MAGNUS METAL COMPANY

1196 NOV -5 '36 9

To EDWARD J. HUGHES,

Secretary of State,

Springfield, Illinois.

Edward J. Hughes
 C. Secretary of State

The undersigned corporation, for the purpose of dissolving the corporation, and pursuant to the provisions of Section 76 of "The Business Corporation Act" of the State of Illinois, hereby executes the following statement of intent to dissolve.

Article 1. The name of the corporation is **Magnus Metal Company**

Article 2. The names and respective addresses, including street and number, if any, of its officers are:

Name	Number	Street	City	State
President: C.H. Griffiths	---	---	New York	N. Y.
Vice Prest: J.M. Febian	---	---	New York	N. Y.
Treasurer: W.G. Smith	---	---	Chicago	Ill.
Secretary: F.J. Becklin	---	---	Chicago	Ill.
Comptroller: W.V. Burley	---	---	New York	N. Y.
Asst. Treas. P.H. Robinson	---	---	Chicago	Ill.

Article 3. The names and respective addresses, including street and number, if any, of its directors are:

Name	Number	Street	City	State
---	---	---	New York	N. Y.
---	---	---	Chicago	Ill.
---	---	---	Chicago	Ill.

Article 4. A copy of the resolution of the shareholders authorizing the voluntary dissolution of the corporation is as follows:

"RESOLVED, that this corporation dissolve voluntarily."

Article 5. The number of shares of the corporation outstanding at the time of adoption of said resolution authorizing the voluntary dissolution of the corporation was:

Class.

Number of Shares

3,000

Article 6. The number of shares voting for said resolution authorizing the voluntary dissolution of the corporation was 3,000; and the number of shares voting against said resolution authorizing the voluntary dissolution of the corporation was: None.

Class

Number of Shares

For

Against

3,000

0

IN WITNESS WHEREOF, the undersigned corporation has caused this statement to be executed in its name by its _____ President, and its corporate seal to be hereto affixed, attested by its _____ Secretary, this 2d day of November, 1936.

MAGNUS METAL COMPANY

(CORPORATE SEAL)

By

Its

President

Attest:

F. J. Backlin

By Its

Secretary

STATE OF ILLINOIS,

COUNTY OF COOK,

SS.

I, B. E. LYON, a Notary Public, do hereby certify that on the 2nd day of November, A. D. 1936, C. H. Griffiths President

personally

(President or Vice-President)

appeared before me and being first duly sworn by me acknowledged that he signed the foregoing document in the capacity therein set forth and declared that the statements therein contained are true.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the day and year before written.

B. E. Lyon

Notary Public

Form E.

Box 1317 File B3054

Statement of Intent to Dissolve by Voluntary Action of the Corporation pursuant to Section 76 of "The Business Corporation Act"

OF

MAGNUS METAL COMPANY

FILED

NOV - 4 1936

Edward J. Hughes
Sec'y. of State.

Filing Fee \$1.00.

TO BE FILED IN DUPLICATE.

Please read instructions on back of
report before attempting to ex-
ecute.

Date 9-27-33

Filing Fee \$ 1-

Clerk W

107746

**Certificate of Designation of Registered Office and Registered
Agent by Foreign and Domestic Corporations.**

State of ILLINOIS,
 COOK County } ss.

To EDWARD J. HUGHES,
Secretary of State,
Springfield, Illinois.

The undersigned corporation, organized and existing under the laws of the State of
ILLINOIS, for the purpose of designating a registered office and
registered agent, as required by the provisions of "The Business Corporation Act," of Illinois, rep-
resents that:

1. The name of the corporation is MAGNUS METAL COMPANY.

2. Its registered office is 80 East Jackson Boulevard, Chicago, Illinois.
 Number Street City State

3. The name of its registered agent is F. A. CROFT.

whose address is the same as that of its registered office.

4. Such designation was authorized by resolution duly adopted by the board of directors.

IN WITNESS WHEREOF, the undersigned corporation has caused this report to be executed in its name by its.....President attested by its.....Secretary, this 28th day of August, A. D. 1933..

(Corporate Seal)

MAGNUS METAL COMPANY.

By

W. H. Craft
Its President (or Vice-President)

Attest:

F. J. Backlin
Its Secretary (or Assistant Secretary)

State of ILLINOIS,

County of COOK.

SS.

I, Florence Rashinski a Notary Public, do hereby certify that on the 28th day of August, A. D. 1933.., personally appeared before me W. H. Craft who declares he is President of the corporation, executing the foregoing document, and being first duly sworn, acknowledged that he signed the foregoing document in the capacity therein set forth and declared that the statements therein contained are true.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the day and year before written.

Florence Rashinski
Notary Public

(Notarial Seal)

My Comm. Exp. Expires June 6, 1934

Box 1317 File 054
CERTIFICATE OF DESIGNATION OF
REGISTERED OFFICE AND
REGISTERED AGENT

of

MAGNUS METAL COMPANY.

Filing Fee \$1.00.

NOTICE

This certificate must be filed in duplicate. The corporation cannot act as its own registered agent.

The registered office may be, but need not be, the same as the place of business of the corporation, but the registered office and the registered address of the agent must be the same.

Any subsequent change in the registered office or agent must be immediately reported to the Secretary of State on blanks furnished for that purpose.

FILED
SEP 22 1933

Edward J. Hughes
Secretary of State

REFERENCE NUMBER 04
STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Cook
COUNTY

LPC
DIVISION

L031000000001

I. D. or FILE NO IL09847663

Re: Magnus Co. Inc. located at 4041 Emerald Ave Chicago, IL

Conversation with: Mr. John Legno (312) 316-9780

(X) I Called Party () Party Called Me DATE 01/27/89 TIME 9:45 am

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

① I need some information on your facility, my name is Greg Duane with the IEPA. When did you acquire the building?

③ Do you know who you bought it from?

⑤ What is the operation at the facility?

⑦ Anything else you can tell me?

⑨ I don't think so looking back at similar Magnus sites, but I can't be sure.

⑪ The next time I'm in Chicago I will stop by. Thank You.

[Signature]
signature

What Other Party Said:

② October 1973.

④ I can't really remember, I know it was used for storage and maybe some light assembly

⑥ We fabricate and process fluorescent light fixtures.

⑧ If you could wait a minute! ... I believe his name was Stawer and he was near bankruptcy. Is there a problem here?

⑩ I just don't want anything to happen to me or my employees. Would you be able to come to the plant and look inside?

use reverse side if necessary
⑫ Thank You.

EPSI
Title

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

REFERENCE NUMBER 05

TELEPHONE CONVERSATION RECORD

Cook
COUNTY

LPL
DIVISION

LPL 0310000000

Magnus Co. Inc.

I. D. or FILE NO JUS98476636

Re: Magnus Co., Inc. located at 4041 Emerald Ave. Chicago, IL

Conversation with: H.C. Rodman NL Industries, Inc. (609) 943-2410

(X) I Called Party () Party Called Me DATE 01/27/89 TIME 9:50 AM

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

① Is Mr. Baser in today?

② Mr. Baser has retired, I am H.C. Rodman, can I help you?

③ I'm Greg Brown with the IEPA and I am looking at a site in Chicago at 4041 Emerald Avenue called Magnus Co. Do you know anything about it?

④ I helped Mr. Baser in filing notifications for all the Magnus sites. The Magnus Company sites made railway car bearings and were located near railroad tracks. These sites were usually very small operations.

⑤ Any kind of waste at the site?

⑥ We filed the Notifications as a precaution because the bearings were made out of lead alloys. Most operations had lead skimmings piles located in the plant.

⑦ Thank You for your help.

use reverse side if necessary

REFERENCE NUMBER 06
STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

COOK
COUNTY

LPL
DIVISION

LPL 0310000000

I. D. or FILE NO. IL09847163

Re: Magnus Co. Inc.
Magnus Co. now House-O-Lite at 4041 Emerald Avenue

Conversation with: Mr. Eli Winkel (312) 334-5933

(X) I Called Party () Party Called Me DATE 03/06/89 TIME 11:00 AM

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

(Introduced myself)

Q I talked with John Legno of House-O-Lite and he said that you lease the building to him.

Q Who did you buy it from?

Q When did you buy the building?

Q How long have you been leasing to House-O-Lite?

Q From the information I have at this moment, I don't believe there is a problem.

Q Thanks.

What Other Party Said:

Q Yes, American Can built the building in 1902.

Q I bought the building from Russ Stonier, Inc. 1375 Merchandise Mart Chicago, IL. I believe he went bankrupt.

Q 1974 or 1975, I can't remember which year.

Q Started leasing to them in 1975. Is there a problem there?

Q If you need anything else just call me.

use reverse side if necessary

Margaret M. O.
Signature

EPS II
Title



STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL
2200 CHURCHILL ROAD
SPRINGFIELD, ILLINOIS 62706

REFERENCE NUMBER **07**

APPLICATION FOR A PERMIT (A) <input type="checkbox"/> CONSTRUCT <input checked="" type="checkbox"/> OPERATE		FOR AGENCY USE ONLY I. D. NO. <u>031600 EYP</u> PERMIT NO. <u>08090008</u> DATE <u>09-05-78</u>	
NAME OF EQUIPMENT TO BE CONSTRUCTED OR OPERATED <u>CLEAVER-BROOKS BOILER</u> (B)			

1a. NAME OF OWNER: <u>HOUSE-O-LITE CORPORATION</u>		2a. NAME OF OPERATOR:	
1b. STREET ADDRESS OF OWNER: <u>4041 S. EMERALD AVE</u>		2b. STREET ADDRESS OF OPERATOR:	
1c. CITY OF OWNER: <u>CHICAGO</u>		2c. CITY OF OPERATOR:	
1d. STATE OF OWNER: <u>ILLINOIS</u>	1e. ZIP CODE: <u>60609</u>	2d. STATE OF OPERATOR:	2e. ZIP CODE:

3a. NAME OF CORPORATE DIVISION OR PLANT: <u>House-O-Lite Corporation</u>		3b. STREET ADDRESS OF EMISSION SOURCE: <u>4041 S. Emerald Ave.</u>	
3c. CITY OF EMISSION SOURCE: <u>Chicago</u>	3d. LOCATED WITHIN CITY LIMITS: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3e. TOWNSHIP: <u>Cook</u>	3f. COUNTY: <u>Cook</u>
		3g. ZIP CODE: <u>60609</u>	

4. ALL CORRESPONDENCE TO: (TITLE AND/OR NAME OF INDIVIDUAL) <u>M. WINKEL V.P.</u>	5. TELEPHONE NUMBER FOR AGENCY TO CALL: <u>(312) 375-9780</u>
6. ADDRESS FOR CORRESPONDENCE: (CHECK ONLY ONE) <input type="checkbox"/> OWNER: <input checked="" type="checkbox"/> OPERATOR <input type="checkbox"/> EMISSION SOURCE	7. YOUR DESIGNATION FOR THIS APPLICATION: (C) <u>BOILER</u>

8. THE UNDERSIGNED HEREBY MAKES APPLICATION FOR A PERMIT AND CERTIFIES THAT THE STATEMENTS CONTAINED HEREIN ARE TRUE AND CORRECT, AND FURTHER CERTIFIES THAT ALL PREVIOUSLY SUBMITTED INFORMATION REFERENCED IN THIS APPLICATION REMAINS TRUE, CORRECT AND CURRENT. BY AFFIXING HIS SIGNATURE HERETO HE FURTHER CERTIFIES THAT HE IS AUTHORIZED TO EXECUTE THIS APPLICATION.

AUTHORIZED SIGNATURE(S): (D)

BY M. Winkel 9/5/78
SIGNATURE DATE
M. WINKEL
TYPED OR PRINTED NAME OF SIGNER
VICE-PRESIDENT
TITLE OF SIGNER

BY RECEIVED
SIGNATURE DATE
SEP 05 1978
TYPED OR PRINTED NAME OF SIGNER
DAVID
TITLE OF SIGNER

- (A) THIS FORM IS TO PROVIDE THE AGENCY WITH GENERAL INFORMATION ABOUT THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS FORM MAY ONLY BE USED TO REQUEST ONE TYPE OF PERMIT - CONSTRUCTION OR OPERATION - AND NOT BOTH.
- (B) ENTER THE GENERIC NAME OF THE EQUIPMENT TO BE CONSTRUCTED OR OPERATED. THIS NAME WILL APPEAR ON THE PERMIT WHICH MAY BE ISSUED PURSUANT TO THIS APPLICATION. THIS FORM MUST BE ACCOMPANIED BY OTHER APPLICABLE FORMS AND INFORMATION.
- (C) PROVIDE A DESIGNATION IN ITEM 7 ABOVE WHICH YOU WOULD LIKE THE AGENCY TO USE FOR IDENTIFICATION OF YOUR EQUIPMENT. YOUR DESIGNATION WILL BE REFERENCED IN CORRESPONDENCE FROM THIS AGENCY RELATIVE TO THIS APPLICATION. YOUR DESIGNATION MUST NOT EXCEED TEN (10) CHARACTERS.
- (D) THIS APPLICATION MUST BE SIGNED IN ACCORDANCE WITH PCB REGS., CHAPTER 2, PART 1, RULE 103(a)(4) OR 103(b)(5) WHICH STATES: "ALL APPLICATIONS AND SUPPLEMENTS THERETO SHALL BE SIGNED BY THE OWNER AND OPERATOR OF THE EMISSION SOURCE OR AIR POLLUTION CONTROL EQUIPMENT, OR THEIR AUTHORIZED AGENT, AND SHALL BE ACCOMPANIED BY EVIDENCE OF AUTHORITY TO SIGN THE APPLICATION."

IF THE OWNER OR OPERATOR IS A CORPORATION, SUCH CORPORATION MUST HAVE ON FILE WITH THE AGENCY A CERTIFIED COPY OF A RESOLUTION OF THE CORPORATION'S BOARD OF DIRECTORS AUTHORIZING THE PERSONS SIGNING THIS APPLICATION TO CAUSE OR ALLOW THE CONSTRUCTION OR OPERATION OF THE EQUIPMENT TO BE COVERED BY THE PERMIT.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

REFERENCE NUMBER 08

DATE: August 17, 1978

TO: Miles A. Zamco, Manager of Field Operations
N. F. Vonesh, Region II

FROM: N. F. Vonesh, Region II

SUBJECT: House-O-Lite Corporation
4041 South Emerald Street
Chicago, Illinois 60609

RECEIVED
AUG 22 1978
IEPA-DAPC-SPFLD

Geo Code - 031 600 EYP
Contact - Michael A. Winkel
Title - Vice President
Telephone - 376-9780

Employees - 100
Shifts/Days - 1/5
Facility - 60,000 ft²
Property - 2 Acres

On August 15, 1978 a routine investigation was made of the subject facility.

The facility produces fluorescent fixtures for residential, commercial and industrial uses.

Space heating and process steam is furnished by one gas fired boiler of 5.23×10^6 BTU input.
Annual fuel consumption is, 4.57×10^6 cubic feet.

The plant process is as follows:

1. Purchase:

- A. Hardware, fasteners, ballasts, sockets and wire
- B. C. R. Sheet and strip steel which is painted and requires no additional painting in the shop.

2. Fabrication:

Numerous punch presses, shear, blank notch and form the steel into the desired shapes and sizes.

3. Assembly:

Assembly consists of installing the ballast, sockets and wiring the fixtures.

4. Packing and shipping:

The finished product is packed into cardboard cartons for shipment.

The company at one time did all of their painting and would have been a source of hydrocarbons. This operation was discontinued when the enforcement of Rule 205(f) was instituted several years ago. All of the

August 17, 1978
Miles A. Zamco
N. F. Vonesh
Page 2

remaining operations are relatively clean and would produce little in the way of air pollution. The only viable source is their gas fired boiler which would be in compliance to our current rules and regulations.

Since the boiler is over 1×10^6 BTU input a permit is legally required for its operation.

A warning letter should be addressed to this company to insure registry with the State of Illinois.

NFV:ela

cc: Region II File

EPA Notification of Hazardous Waste Site

United States
Environmental Protection
Agency
Washington DC 20460

This initial notification information is required by Section 101(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

810609

ILF376

ILS-000-001-174

A Person Required to Notify:

Enter the name and address of the person or organization required to notify.

Name NL Industries, Inc.

Street P.O. Box 1090 (Wyckoff-Mill Road)

City Hightstown

State NJ

Zip Code 08520

B Site Location:

Enter the common name (if known) and actual location of the site.

Name of Site Magnus Co., Inc.

Street 4041 Emerald Avenue

City Chicago

County

State IL

Zip Code 60607

C Person to Contact:

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title) Baser, F.R., Dir. Environmental Control

Rodman, H.C., Environmental Engineer

Phone 609/443-2411 or 2410

D Date of Waste Handling:

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

From Year Unknown To Year Pre-1948

E Waste Type: Choose the option you prefer to complete

Option 1: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste:
Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

- 1. ☐ Organics
- 2. ☒ Inorganics
- 3. ☐ Solvents
- 4. ☐ Pesticides
- 5. ☐ Heavy metals
- 6. ☐ Acids
- 7. ☐ Bases
- 8. ☐ PCBs
- 9. ☐ Mixed Municipal Waste
- 10. ☐ Unknown
- 11. ☒ Other (Specify)

Dresses

Source of Waste:
Place an X in the appropriate boxes.

- 1. ☐ Mining
- 2. ☐ Construction
- 3. ☐ Textiles
- 4. ☐ Fertilizer
- 5. ☐ Paper/Printing
- 6. ☐ Leather Tanning
- 7. ☐ Iron/Steel Foundry
- 8. ☐ Chemical, General
- 9. ☐ Plating/Polishing
- 10. ☐ Military/Ammunition
- 11. ☐ Electrical Conductors
- 12. ☐ Transformers
- 13. ☐ Utility Companies
- 14. ☐ Sanitary Refuse
- 15. ☐ Photofinish
- 16. ☐ Lab/Hospital
- 17. ☐ Unknown
- 18. ☒ Other (Specify)

Bearings mfg.

Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).

Specific Type of Waste:
EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site is located.

000252 JUN-981

JUN 12 1981

Notification of Hazardous Waste Site

Side Two

F Waste Quantity

Place an X in the appropriate boxes to indicate the facility types found at the site in the "total facility waste amount" space give the estimated combining quantity (volume) of hazardous wastes at the site using cubic feet or gallons in the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres

Facility Type

- 1 ☐ Piles
2 ☐ Land Treatment
3 ☐ Landfill
4 ☐ Tanks
5 ☐ Impoundment
6 ☐ Underground Injection
7 ☐ Drums Above Ground
8 ☐ Drums Below Ground
9 ☒ Other (Specify) UNKNOWN

Total Facility Waste Amount

Cubic feet UNKNOWN

gallons _____

Total Facility Area

Square feet UNKNOWN

acres _____

G Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

☐ Known ☐ Suspected ☐ Likely ☒ None

Note: Items H and I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

Notification based on presumed storage of drosses.

J Signature and Title

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other".

Name FRED R. BASER

Street _____

City _____

State _____

Signature Fred R. Baser Title _____

- ☐ Owner, Present
☒ Owner, Past
☐ Transporter
☐ Operator, Present
☒ Operator, Past
☐ Other

F. R. Baser
Director
Environmental Control Department

NL

June 9, 1981

Regional Administrator
US EPA Region 5
Sites Notification
Chicago, IL 60604

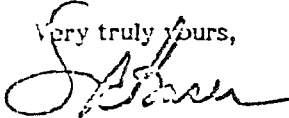
Dear Sir:

NL Industries, Inc. has completed and encloses 44 "EPA Notification of Hazardous Waste Site" forms, each of which identifies a site within your region where hazardous waste may have been stored or disposed of. Certain facilities were or are owned by subsidiaries, whether wholly or majority owned; some of these subsidiaries have been liquidated, and some have not. For convenience of reference, all notifications are being made in the name of the parent, NL Industries, Inc. In some cases our information is incomplete as to dates that old facilities started and/or ceased operations. In most of these cases the facility no longer exists.

NL was formed in 1891 by the merger of a number of independent lead or related product manufacturers, some of which may have been in business for over a century previous to 1891. We have not attempted to complete forms for facilities not operated since 1891, because of doubt regarding the obligation to do so, and our general lack of any specific information regarding such sites. Similarly, we are generally unable to trace the corporate history of companies which were acquired and therefore have not included facilities which were disposed of by such companies prior to the date of acquisition by NL.

A number of our filings are precautionary and are based on uncertainty induced by the absence of regulatory guidance in interpreting non-specific statutory language. Accordingly, our "estimates", "suspicions", and "presumptions" whether or not labeled should not be construed as admissions that the activities described took place, or had the described consequences, or that NL is in any way responsible for such activities or consequences. In most such cases, we expressly disclaim responsibility.

Very truly yours,



F. R. Baser

FRE/tb
Enclosures

NL Industries, Inc.
P O Box 1090, Hightstown, N J 08520 Tel. (609) 443-2411

JUN 12 1981

REFERENCE NUMBER

10

Englewood

City _____ County _____

Section _____ Twp. No. 16, 70 Range 39 N 19 E

Location (in feet from section corner) about 750' E + 2000' S of NW corner of Sec 16
412 Displacement St.

Owner Portland Brass Brewery Authority _____

Contractor S. B. Gieger Address _____

Date drilled May 1912 Elev. above sea level top of well 592.6

Depth 1679

Log Index No 1616

over

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much _____

Casing record _____

Distance to water when not pumping _____ Distance to water is _____

feet after pumping at _____ G. P. M. for _____ hours.

Reference point for above measurements _____

Type of pump _____ Distance to cylinder _____

Length of cylinder _____ Length of suction pipe below cylinder _____

Length stroke _____ Speed _____

Hours used per day _____ Type of power _____

Rating of motor _____ Rating of pump in G. P. M. _____

Can following be measured: (1) Static water level _____

(2) Pumping level _____ (3) Discharge _____

(4) Influence on other wells _____

Temperature of water _____ Was water sample collected _____

Date _____ Effect of water on meters, hot water

coils, etc. _____

Date of Analysis _____ Analysis No. _____

Recorder _____

Date _____

Englewood

City _____ County _____

Section 28 Twp. No. 39 N Range 14 E

Location (in feet from section corner) _____

Owner Lake Shore & Rock Is. R.R. Authority _____

Contractor S. B. Muger Address _____

Date drilled _____ Elev. above sea level top of well _____

Depth 1612

Log Indy 1600

over

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much _____

Casing record _____

Distance to water when not pumping _____ Distance to water is _____

feet after pumping at _____ G. P. M. for _____ hours.

Reference point for above measurements _____

Type of pump _____ Distance to cylinder _____

Length of cylinder _____ Length of suction pipe below cylinder _____

Length stroke _____ Speed _____

Hours used per day _____ Type of power _____

Rating of motor _____ Rating of pump in G. P. M. _____

Can following be measured: (1) Static water level _____

(2) Pumping level _____ (3) Discharge _____

(4) Influence on other wells _____

Temperature of water _____ Was water sample collected _____

Date _____ Effect of water on meters, hot water

coils, etc. _____

Date of Analysis _____ Analysis No. _____

Recorder _____

Date _____

INSTRUCTIONS TO DRILLERS

White Copy -
Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED. NO MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug . Bored . Hole Diam. 5 in. Depth 32 ft.
Curb material . Buried Slab: Yes No
- b. Driven . Drive Pipe Diam. in. Depth 32 ft.
- c. Drilled . Finished in Drift . In Rock X
Tubular . Gravel Packed .
- d. Grout:

(KIND)	FROM (FL.)	TO (FL.)
Cement Grout		

2. Distance to Nearest:

Building 35 Ft. Seepage Tile Field

Cess Pool Sewer (non Cast iron)

Privy Sewer (Cast iron)

Septic Tank 75 Barnyard

Leaching Pit Manure Pile

3. Well furnishes water for human consumption? Yes X No

4. Date well completed May 5th 1979

5. Permanent Pump Installed? Yes X Date May 5th 1979 No

Manufacturer Shawmut Type Submersible Location Well

Capacity gpm. Depth of Setting 160 Ft.

6. Well Top Sealed? Yes X No Type

7. Pitless Adapter Installed? Yes X No

Manufacturer Wellman Model Number

How attached to casing? Cemented

8. Well Disinfected? Yes X No

9. Pump and Equipment Disinfected? Yes X No

10. Pressure Tank Size 42 gal. Type Cemented

Location Ground

11. Water Sample Submitted? Yes No X

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL

10. Property owner Chicago Black C. Well

Address 1400 E. 1st St.

Driller License No.

11. Permit No. 3-27-77 Date May

12. Water from 13. County

Formation

at depth 45 to 30 ft. Sec. 30

14. Screen: Diam. in. Twp.

Length: ft. Slot Rge.

Elev.

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Fl.)	To (Fl.)
5	Steel Pipe	0	68

16. Size Hole below casing: 5 in.

17. Static level 100 ft. below casing top which is above ground level. Pumping level 160 ft. when gpm for hours.

18. FORMATIONS PASSED THROUGH

	T
Overburden	
Glacial Till	

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED DATE

ENGINEER'S ANALYSIS SHEET

SP (P04) 5/25/61

City Chicago County Cook
 Section 24.12 Twp. No. 39N Range 13E
 Location (in feet from section corner) 500' N, 400' W, SE cor
 Owner Van Merritt Brewery #1 (formerly Monarch Brewery) Authority _____
 Contractor S. B. Feigen Address _____
 Date drilled 1913 Elev. above sea level top of well _____
 Depth 1600 FT
 Log _____

Were drill cuttings saved _____ Where filed _____
 Size hole _____ If reduced, where and how much _____

Casing record _____
 Distance to water when not pumping 477 Oct 2, 1961 Distance to water is _____
 feet after pumping at 350 G.P.M. for several hours.

Reference point for above measurements _____
 Type of pump _____ Distance to cylinder 597'
 Length of cylinder _____ Length of suction pipe below cylinder _____
 Length stroke _____ Speed _____
 Hours used per day _____ Type of power _____
 Rating of motor _____ Rating of pump in G.P.M. _____

Can following be measured: (1) Static water level _____
 (2) Pumping level _____ (3) Discharge _____
 (4) Influence on other wells _____
 Temperature of water 61.5° F Was water sample collected Yes 1 gal
 Date Nov 2, 1961 Effect of water on meters, hot water coils, etc. _____

Date of Analysis _____ Analysis No. 156100
See remarks on back! Recorder Robert T. Gasman
 Date Nov 2, 1961

SWS

City Chicago County Cook
Section 24 Twp. No. 39N Range 13E
Location (in feet from section corner) 900' N, 1100' W, SE cor 12th + Campbell
Owner Aermotor Co Authority Mr. Hamilton
Contractor _____ Address _____
Date drilled 1895 Elev. above sea level top of well 590
Depth 350 ft
Log Only used for testing pumps + equipment
Were drill cuttings saved _____ Where filed _____
Size hole 5" If reduced, where and how much _____
Casing record 5"
Distance to water when not pumping 40' Distance to water is 80'
feet after pumping at 20 G. P. M. for 10 min hours.
Reference point for above measurements _____
Type of pump Aermotor submersible Distance to cylinder _____
Length of cylinder _____ Length of suction pipe below cylinder _____
Length stroke _____ Speed _____
Hours used per day _____ Type of power _____
Rating of motor 2HP Rating of pump in G. P. M. _____
Can following be measured: (1) Static water level Yes
(2) Pumping level Yes (3) Discharge No
(4) Influence on other wells No
Temperature of water _____ Was water sample collected No
Date _____ Effect of water on meters, hot water
coils, etc. _____
Date of Analysis _____ Analysis No. _____
Recorder Robert T. Sisman
Date Dec 3, 1958

TOWN Chicago TOWNSHIP
 COMPANY S. B. Geiger & Co.
 FARM Fleischmann Yeast
 AUTHORITY S. B. Geiger files
 ELEVATION 598 E.T.M.
 COLLECTOR Workman DATE DRILLED
 CONFIDENTIAL

Map No. 15
 R. 13E
 Sec. 24
 T. 39
 N.

19th & Rockwell

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Soil	54		54	
	Limestone	251		305	
	Shale	210		515	
	Limestone	227		842	
	Sandstone	178		920	
	Crevices	210		1130	
	Sandstone	10		1140	
	Limestone and crevices	35		1175	
	Crevices	90		1265	
	Limestone, broken & sandstone	170		1375	
	Sand, water-bearing	25		1545	
	Limestone	215		1570	
	Shale and shells	45		1785	
	Limestone	152		1830	
	Potsdam sandstone			1982	
54 - 12"		OD pipe surface pipe set at 515 pipe set at 1280			
213 - 16"					
249 - 10"					
16" hole to 1280					

County COOK
 T-DRILL RECORD
 (51076-310-1-28)

Map No. 1524

TOWN Chicago TOWNSHIP
 COMPANY S. B. Geiger
 FARM Fleischman Yeast
 AUTHORITY S.B. Geiger File
 ELEVATION
 COLLECTOR Workman DATE DRILLED
 CONFIDENTIAL 18th - Rockwell

No.	STRATA
	Surface
	Limestone, white
	Shale
	Shale, gray, sandy
	Shale, very muddy
	Limestone, white
	Limestone, very hard,
	Limestone, hard
	Sand
	Limestone, sandy
	Limestone, very hard
	Limestone, softer
	Limestone crevices, 10 of water
	Limestone
	Sand, soft
	Sand, hard-soft
	Sand, soft, white
	Limestone, hard, blue
	Limestone, gray
	Shale, muddy and shell
	Limestone
	Shale
	Limestone
	Potsdam sand
68' - 6" 10" to rock	
10" hole to	
NO ENVELOPE 8" hole to	

County COOK
 T-DRILL RECORD
 (51076-310-1-28)

City Chicago County Cook
Section 11 Twp. No. 38N Range 13E
Location (in feet from section corner) 400'S, 650'W, NE cor 3248 West 47th Place
Owner Bradshaw - P. Praeger & Co Authority (over) P. Praeger
Contractor J. P. Miller Address _____
Date drilled 1937 Elev. above sea level top of well 595 (±)
Depth 120 ft Open hole
Log _____

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much _____

Casing record 10" 0-52', 8" 317-505', 6" 927-1000'

Distance to water when not pumping 484' Distance to water is _____
feet after pumping at _____ G. P. M. for _____ hours.

Reference point for above measurements _____

Type of pump _____ Distance to cylinder _____

Length of cylinder _____ Length of suction pipe below cylinder _____

Length stroke _____ Speed _____

Hours used per day _____ Type of power _____

Rating of motor _____ Rating of pump in G. P. M. _____

Can following be measured: (1) Static water level _____

(2) Pumping level _____ (3) Discharge _____

(4) Influence on other wells _____

Temperature of water _____ Was water sample collected _____

Date Feb 24, 1959 Effect of water on meters, hot water
coils, etc. _____

Date of Analysis _____ Analysis No. _____

Recorder Robert T. Seaman

Date Feb 24, 1959

City Chicago County Cook

Section 23 Twp. No. 38N Range 14E

Location (in feet from section corner) 100'W & 200'S of NE/c NE 1/4 NE 1/4

Owner Art Askew, Stoney Island Fish Co. Authority Ill. Beach 216

Contractor E. C. Wehling Address Stoney Island Fish Co.

Date drilled May 1966 Elev. above sea level top of well 111' Chicago

Depth 383' 2TR

Log Open hole 0-15', sand and clay 15-50', clay 50-68', lime 68-383'

Were drill cuttings saved _____ Where filed XXXXXXXXXXXX

Size hole _____ If reduced, where and how much 5 7/8" below casing

Casing record 6" galv seamless from 0-95'

Distance to water when not pumping 31' Distance to water is 110'

feet after pumping at 25 G. P. M. for 3 hours.

Reference point for above measurements _____

Type of pump _____ Distance to cylinder _____

Length of cylinder _____ Length of suction pipe below cylinder _____

Length stroke _____ Speed _____

Hours used per day _____ Type of power _____

Rating of motor _____ Rating of pump in G. P. M. _____

Can following be measured: (1) Static water level _____

(2) Pumping level _____ (3) Discharge _____

(4) Influence on other wells _____

Temperature of water _____ Was water sample collected yes

Date _____ Effect of water on meters, hot water coils, etc. _____

Date of Analysis _____ Analysis No. 168816

Recorder /s/ Sanderson

Date 5-12-66

White Copy -
Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

GEOLOGICAL AND WATER SURVEYS WEI

1. Type of Well 10" to 42"
- a. Dug Bored Hole Diam 6 in. Depth 125 ft.
Curb material Buried Slab: Yes No
- b. Driven Drive Pipe Diam in. Depth ft.
- c. Drilled X Finished in Drift In Rock X
Tubular Gravel Packed
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
Building 10+ Ft. Seepage Tile Field 75+
Cess Pool Sewer (non Cast iron)
Privy Sewer (Cast iron)
Septic Tank 50+ Barnyard
Leaching Pit Manure Pile
3. Is water from this well to be used for human consumption?
Yes No X
4. Date well completed 1-9-84
5. Permanent Pump Installed? Yes No
Manufacturer Type
Capacity gpm. Depth of setting ft.
6. Well Top Sealed? Yes No
7. Pitless Adaptor Installed? Yes No
8. Well Disinfected? Yes No
9. Water Sample Submitted? Yes No

REMARKS: Aquifer 5656
Hydro Unit 071120003

10. Property owner Grant Metal Mfg. Co. We
Address 5925 S. Lowe Ave., Chicago,
Driller H. B. Wehling License N
11. Permit No. 110763 Date 12
12. Water from Formation 13. County
at depth to ft. Sec. 1
14. Screen: Diam. in. Twp 33
Length ft. Slot Rge. 10
~~15. 15-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100~~ Elev. 5

15. Casing and Liner Pipe

Diam (in.)	Kind and Weight	From (Ft.)	To
6	black steel	+1	1

16. Size Hole below casing: 5-7/8 in.
17. Static level 40 ft. below casing top which
above ground level. Pumping level 190 ft. w/
gpm for 2 1/2 hours. 1/9/84

18. FORMATIONS PASSED THROUGH

<u>Clay & Sand</u>
<u>Clay & Boulders</u>
<u>Lime</u>
<u>Shale & Lime</u>
<u>Shale</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED DAT

City Chicago. County Cook. Englewood
Section 28, 2d Twp. No. 39N Range 14E
Location (in feet from section corner) about 900' W + 2350' N of SE corner of Sec 28
146 W, 27th
Owner Inland Rubber Co. Authority I. S. G. S.
Contractor J. P. Miller Hall Co. Address _____
Date drilled 9-32 Elev. above sea level top of well 605
Depth 1936
Log Indy 1628

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much 12" to 590'; 10" to 1130'; 8" 1139-936'

Casing record 35' of 12" pipe; 196' 3" of 10", bottom 590 ft; 149' 2" of 8" pipe,
bottom 1130 ft; 12"

Distance to water when not pumping _____ Distance to water is _____

feet after pumping at _____ G. P. M. for _____ hours.

Reference point for above measurements _____

Type of pump _____ Distance to cylinder _____

Length of cylinder _____ Length of suction pipe below cylinder _____

Length stroke _____ Speed _____

Hours used per day _____ Type of power _____

Rating of motor _____ Rating of pump in G. P. M. _____

Can following be measured: (1) Static water level _____

(2) Pumping level _____ (3) Discharge _____

(4) Influence on other wells _____

Temperature of water _____ Was water sample collected _____

Date _____ Effect of water on meters, hot water

coils, etc. _____

Date of Analysis _____ Analysis No. _____

Recorder _____

Date _____

Elizabethtown

Clay, sand & gravel	35'	35'
Silurian		

Time	265	300
Time, hard	108	408

Richmond		
Shale	172	580

Halena - Scatterville		
Time	140	720

Time, hard	35	755
Time, very hard	95	850

Time, sandy	30	880
Time, hard	20	900

St. Peter sandstone	120	1020
Shale, green & lime	20	1040

Francconia		
Time	90	1130

Time, very hard	73	1203
Concretes	22	1225

Time, soft	25	1250
Time, hard	65	1315

Ottumwa (Hersbach) sand	125	1440
-------------------------	-----	------

Eau Claire		
Strake of lime	25	1465

and	55	1520
Sand, soft	95	1615

Shale & lime	275	1890
Mt. Simon sand, very soft	46	1936

Last 2 ft. very hard.		
-----------------------	--	--

White Copy -
Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFO. INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 614, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS 62706 DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

GEOLOGICAL AND WATER

1. ☒ Bored ☐ Hole Diam. 15 in. Depth 1689 ft.
2. ☐ Material ☐ Buried Slab: Yes ☐ No ☐
3. ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft.
4. ☒ Finished in Drift ☐ In Rock ☒
5. ☐ Gravel Packed ☐

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
 - Building ☐ Ft. Seepage Tile Field ☐
 - Cess Pool ☐ Sewer (non Cast iron) ☐
 - Privy ☐ Sewer (Cast iron) ☐
 - Sept. Tank ☐ Barnyard ☐
 - Latrine Pit ☐ Manure Pile ☐
3. Is water from this well to be used for human consumption?
 - Yes ☒ No ☐
4. Date well completed July 24, 1970
5. Permanent Pump Installed? Yes ☐ No ☒
 - Manufacturer ☐ Type ☐
 - Capacity ☐ gpm. Depth of setting ☐ ft.
6. Well Top Sealed? Yes ☒ No ☐
7. Pitless Adaptor Installed? Yes ☐ No ☐
8. Well Disinfected? Yes ☒ No ☐
9. Water Sample Submitted? Yes ☒ No ☐ 183182 on 7-24-70

REMARKS: well not shot
Also known as Turner Construction Co. well.

IDPH 4.065
10/68

10. Property owner Illinois Bell
Address 10 S Canal Street
Driller E. C. Wehling
11. Permit No. 9081
12. Water from Sandstone Formation
at depth ☐ to ☐ ft.
14. Screen: Diam. ☐ in.
Length: ☐ ft. Slot ☐
15. Casing and Liner Pipe
25' S, 190° E / NW 1/4

Diam. (in.)	Kind and Weight
<u>26</u>	
<u>20</u>	<u>Cemented</u>
<u>16</u>	

16. Size Hole below casing: 15
17. Static level 525 ft. below ground level. Pumping ☐ gpm for 23 1/2 hours.

18. FORMATIONS PASSED THROUGH

Drift
Sand & Gravel
Sand
Lime
Shale
Lime & Shale
Shale
Lime
Sand
Shale
Sand Lime Shale
Lime

(CONTINUE ON SEPARATE SHEET)

SIGNED E. C. Wehling, Pres.

Sand lime shale	59	1377
Shale	8	1385
Lime	6	1391
Shale	2	1393
Lime and shale	17	1410
Lime	10	1420
Sand	12	1432
Sand and lime	23	1455
Sand	144	1599
Lime-gray	20	1619
Shale	1	1620
Lime w/shale	10	1630
Shale	8	1638
Lime w/shale	12	1650
Shale	6	1656
Lime and shale	29	1685
Lime	4	1689

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

GEOLOGICAL AND WATER SURVEYS

1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam. 15 in. Depth 1689 ft.
Curb material ☐ Buried Slab: Yes ☐ No ☐
- b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft.
- c. Drilled ☒ Finished in Drift ☐ In Rock ☒
Tubular ☐ Gravel Packed ☐
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:

Building ☐ Ft. Seepage Tile Field ☐
Cess Pool ☐ Sewer (non Cast iron) ☐
Privy ☐ Sewer (Cast iron) ☐
Septic Tank ☐ Barnyard ☐
Leaching Pit ☐ Manure Pile ☐

3. Is water from this well to be used for human consumption?

Yes ☒ No ☐

4. Date well completed July 21, 1970

5. Permanent Pump Installed? Yes ☐ No ☒
Manufacturer ☐ Type ☐
Capacity ☐ gpm. Depth of setting ☐ ft.

6. Well Top Sealed? Yes ☒ No ☐

7. Pitless Adaptor Installed? Yes ☐ No ☐

8. Well Disinfected? Yes ☒ No ☐

9. Water Sample Submitted? Yes ☒ No ☐

REMARKS:

IDPH 4.065
10/68

10. Property owner Illinois Bell Tel
Address 10 S Canal Street, Chi
Driller E. C. Wehling L

11. Permit No. 9034 D

12. Water from ☐ Formation ☐ 13.

at depth ☐ to ☐ ft.

14. Screen: Diam. ☐ in.

Length: ☐ ft. Slot ☐

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From
26		C
20	Cemented	C
16		982

16. Size Hole below casing: 15 in.

17. Static level 330 ft. below casing top
above ground level. Pumping level ☐
gpm for ☐ hours.

18. FORMATIONS PASSED THROUGH

Drift

Sand & Gravel

Sand

Lime

Shale

Lime & Shale

Shale

Lime

Sand

Shale

Sand Lime Shale

Lime

(CONTINUE ON SEPARATE SHEET IF NEEDED)

SIGNED E. C. Wehling, Inc.
E. C. Wehling

Wehling Well Work

Sand Lime shale	59	1377
Shale	8	1385
Lime	6	1391
Shale	2	1393
Lime & shale	17	1410
Lime	10	1420
Sand	12	1432
Sand & Lime	23	1455
Sand	144	1599
Lime - Gray	20	1619
Shale	1	1620
Lime w/shale	10	1630
Shale	8	1638
Lime w/shale	12	1650
Shale	6	1656
Lime & shale	29	1685
Lime	4	1689

Englewood

City _____ County _____
Section 16 ¹⁴ NE Cor. Twp. No. 39 N Range 14 E
Location (in feet from section corner) 63 W. Madison St.
(1100' W + 150' S of NE corner of Sec 16)
Owner Edwards Restaurant Authority _____
Contractor J. P. Miller Address _____
Date drilled Oct-Nov 1899 Elev. above sea level top of well 592.6
Depth 1280
Log Index 1616
only
Were drill cuttings saved _____ Where filed _____
Size hole _____ If reduced, where and how much _____
Casing record _____
Distance to water when not pumping _____ Distance to water is _____
feet after pumping at _____ G. P. M. for _____ hours.
Reference point for above measurements _____
Type of pump _____ Distance to cylinder _____
Length of cylinder _____ Length of suction pipe below cylinder _____
Length stroke _____ Speed _____
Hours used per day _____ Type of power _____
Rating of motor _____ Rating of pump in G. P. M. _____
Can following be measured: (1) Static water level _____
(2) Pumping level _____ (3) Discharge _____
(4) Influence on other wells _____
Temperature of water _____ Was water sample collected _____
Date _____ Effect of water on meters, hot water
coils, etc. _____
Date of Analysis _____ Analysis No. _____
Recorder _____
Date _____

Infused

City _____ County _____

Section 16 Twp. No. 39 N Range 14 E

Location (in feet from section corner) _____

Owner Chicago Post office Authority _____

Contractor S. B. Gujer Address _____

Date drilled Oct 1902 Elev. above sea level top of well 588.6

Depth 1350

Log Index No 1616
only

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much _____

Casing record _____

Distance to water when not pumping _____ Distance to water is _____

feet after pumping at _____ G. P. M. for _____ hours.

Reference point for above measurements _____

Type of pump _____ Distance to cylinder _____

Length of cylinder _____ Length of suction pipe below cylinder _____

Length stroke _____ Speed _____

Hours used per day _____ Type of power _____

Rating of motor _____ Rating of pump in G. P. M. _____

Can following be measured: (1) Static water level _____

(2) Pumping level _____ (3) Discharge _____

(4) Influence on other wells _____

Temperature of water _____ Was water sample collected _____

Date _____ Effect of water on meters, hot water

coils, etc. _____

Date of Analysis _____ Analysis No. _____

Recorder _____

Date _____